PUBLIC WORKS, IRELAND.

THIRTY-SIXTH REPORT

FROM THE

BOARD OF PUBLIC WORKS, IRELAND:

WITH THE

APPENDICES,

FOR THE YEAR 1867.

Presented to both Houses of Parliament by Command of Her Majesty.

DUBLIN:
PRINTED BY ALEXANDER THOM, 87 & 88, ABBEY-STREET,
FOR HER MAJESTY'S STATIONERY OFFICE.
1868.

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PUBLIC WORKS, IRELAND.

THIRTY-SIXTH ANNUAL REPORT

FROM

THE BOARD OF PUBLIC WORKS IN IRELAND,

FOR THE YEAR 1867.

TO THE LORDS COMMISSIONERS OF HER MAJESTY'S TREASURY.

MAY IT PLEASE YOUR LORDSHIPS,

WE have the honour to submit our Thirty-sixth Annual Report, embracing, in the usual manner, the several services intrusted to our management, viz. :—

Accounts :—
- Loans for Public Works, Advances and Repayments.
- Sanctions for Grants.

Public Buildings, viz. :—
- Dublin Buildings, including Viceregal Residences and Establishments in Dublin Castle and the Phœnix Park, the Courts of Law, Public Offices, Government Prisons, Constabulary Depôt, General Post Office and Metropolitan Police Stations of the Dublin District, the Royal Hospital, Kilmainham, the Royal Hibernian Military School, the Royal Dublin Society and Glasnevin Gardens, the Royal Irish Academy, the National Gallery of Ireland, Irishtown Church.
- Constabulary Buildings throughout Ireland.
- Customs Buildings do.
- Inland Revenue Buildings do.
- Post Offices.
- Queen's Colleges, at Cork, Belfast, and Galway.
- Probate Courts and Registries.
- National Education Buildings.
- Coast-Guard Stations throughout Ireland.
- Maynooth College.
- Phœnix Park.
- Loans for Erecting Labourers' Dwellings in Towns and Populous Places.
- Supply of Fuel to Public Offices.

Landed Property Improvement, including—
- Drainage of Lands, &c.
- Erection of Farm Houses and Farm Buildings.
  - Do. Scutch Mills.
  - Do. Labourers' Dwellings.
- Loans for Planting Trees for Shelter.

Arterial Drainage, with Improvement of Navigation and Water-power.

Drainage and Improvement of Lands.
- Drainage Maintenance.

Harbours.

Fishery Piers and Harbours.

Inland Navigations.

Utilization of Sewage Act.

Tramways.

Post Roads.

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LOANS AND GRANTS FOR PUBLIC WORKS.

STATEMENTS of outstanding Loans made for PUBLIC WORKS will be found in the APPENDIX, and the following is an Abstract of the funds which have from time to time been sanctioned, showing the amounts issued on account of each description of Loans, the Amounts remitted, and the Repayments on Account, to the 31st March, 1898, also the Sums issued and Repaid within the year

SANCTIONS.	£ s. d.	£ d.	For what purpose issued.	Advances. Total to 31st March, 1898	Advances. In the year ended 31st March, 1898	Remissions.	Repayments. Total to 31st March 1898	Repayments. In the year ended 31st March, 1898.
				£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Act 1 & 2 Wm. IV., c. 33,	744,650 0 0		Public Works,	1,264,039 18 8	1,970 0 0	58,882 18 10	1,407,903 11 1	5,960 19 10
Act 6 & 7 Wm IV., c. 108,	100,000 0 0							
Act 1 & 2 Vic., c. 88,	46,000 0 0							
Total issued in Exchequer Bills,		890,650 0 0						
Act 6 & 7 Vic., c. 44, continued by various Acts to 28 & 30 Vic., c. 73, granting £15,000 per quarter,	1,710,000 0 0		Relief Works, 8 Vic., c. 1,	226,349 18 11	—	156,678 1 10	88,338 1 3	—
Act 9 & 10 Vic., c. 108,	145,000 0 0							
Act 10 & 11 Vic., c. 106,	370,000 0 0							
Act 12 Vic., c. 23,	200,000 0 0		Arterial Drainage,	2,117,999 0 6	8,706 13 3	1,194,525 18 10	1,133,726 14 2	53,669 6 11
Act 11 & 12 Vic., c. 61,	138,648 15 7							
Act 13 & 14 Vic., c. 31,	800,000 0 0							
		3,363,648 15 7						
Act 9 & 10 Vic., c. 107, for the Employment of the Labouring Poor,	—	4,797,648 12 1	County Relief Works,	4,537,778 2 11	—	4,234,947 18 3	302,830 4 8	—
			Labourers' Drainage,	100,870 6 2	—	—	250,376 10 6	10,627 16 4
Act 2 & 3 Vic., c. 61, for the Improvement of Shannon Navigation,	—	294,090 0 0	Shannon Navigation,	294,093 0 0	—	—	329,013 7 11	—
Act 10 Vic., c. 33, for Land Improvement,	1,000,000 0 0							
Act 12 Vic., c. 23, do.,	300,000 0 0							
Act 13 & 14 Vic., c. 31, do.,	200,000 0 0							
Act 39 & 30 Vic., c. 40, do.,	1,000,000 0 0							
		3,000,000 0 0	Drainage, Farm-buildings, Labourers' dwellings, Planting for shelter, &c.,	1,916,157 4 4	39,185 0 0	—	1,782,840 15 7	109,714 8 5
Total Sanctions,	—	12,346,037 7 8		10,616,304 16 6	46,861 13 3	5,705,034 13 9	6,205,832 6 4	179,976 14 6
Deduct Advances,	—	10,616,304 16 5						
Balance available for further Advances,	—	1,729,732 12 3						
Viz. —								
Made available under Rules	1,146,838 [illegible]							

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SANCTIONS FOR GRANTS.

	£	s.	d.	£	s.	d.
By Act 1 & 2 Wm. 4, c. 33, for Public Works,	50,000	0	0			
By Act 1 Vic., c. 21, for Public Works,	50,000	0	0			
By Act 1 & 2 Vic., c. 88 (portion of £50,000), appropriated to Grants for Public Works,	4,000	0	0			
By Act 6 & 7 Vic., c. 44, for Public Works,	21,000	0	0	125,000	0	0
By Act 9 Vic., c. 1, in aid of Relief Works,	50,000	0	0			
By Act 9 & 10 Vic., c. 108, do.	175,000	0	0	225,000	0	0
By Act 2 & 3 Vic., c. 61, in aid of the Improvement of the Shannon Navigation,	—			290,717	0	0
By Act 9 Vic., c. 3, for Piers and Harbours,	50,000	0	0			
By Act 10 & 11 Vic., c. 75, for do.,	40,000	0	0	90,000	0	0
For Navigation in connexion with Drainage, Act 5 & 6 Vic., 89,	—			141,073	0	0
				871,790	0	0

PUBLIC BUILDINGS.

Public Buildings.

The works of repair and maintenance have been duly attended to at—

The Viceregal Lodge;
The Chief Secretary's Lodge;
The Under Secretary's Lodge; and
The Private Secretary's Lodge, in the Phœnix Park.

Also at the State Apartments, Public Offices, and Official Residences in Dublin Castle. At the Royal Hibernian Military School, the Royal Hospital, Royal Irish Academy, the buildings of the Royal Dublin Society, the National Gallery, and at the several Public Offices in Dublin under the charge of the Board.

Four Courts.

The new Record Building has been handed over to the Master of the Rolls, and is now occupied by the Deputy Keeper of the Records, and the completion of the fittings necessary for the reception of the documents to be deposited in this building is being effected, and the arrangements to suit the several requirements are being perfected. A portion of this building is temporarily occupied as a Court for the Vice-Chancellor; but provision has been made and arrangements are under consideration for providing a suitable permanent Court, and this part of the building will then be available for its proper purpose.

The new Central Police Courts are now completed and ready to be handed over to the Magistrates for occupation.

Government Prisons.

The proper maintenance of the Government Prisons at Mountjoy (male and female), and Smithfield, and the Criminal Lunatic Asylum at Dundrum, has been duly attended to.

During the past year, new penal cells for refractory prisoners have been built at Mountjoy Female Prison.

Metropolitan Police Stations.

The several Police Stations, Offices, and Barracks within the Metropolitan Police District have been duly maintained.

Constabulary Buildings.

At the Constabulary Depot in the Phœnix Park the necessary repairs and maintenance have been attended to, and a new Guard House and Magazine were built within the past year. A contract has been entered into for enlarging the Barracks at William-street, Limerick, the works are progressing favourably, and the additional accommodation will be available for the Constabulary Force during the present year.

The new Barrack at Maam, county Galway, was finished during the past year, and is now occupied.

The several Barracks throughout the country belonging to the Crown have been duly maintained.

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Public Buildings.

Custom Houses.

The ordinary repairs at the several Custom Houses and Customs Stations have been duly carried out.

Inland Revenue Buildings.

No new works beyond the ordinary maintenance were undertaken at the Inland Revenue Buildings during the past year. New and more commodious offices have been taken for the Collector and officers at Londonderry.

Post Offices.

The offices at Dublin, Cork, Belfast, and Limerick have boen duly maintained.

Supply of Vartry Water to Dublin Buildings.

The introduction of the Vartry Water supply to the Government Buildings in Dublin has been to a considerable extent carried out, and will be of great advantage. The supply, which is at high pressure, will afford great facility in the extinguishing of fire should such occur. Arrangements have been made with the Corporation of Dublin for supplying this water also to the several residences and Government establishments in the Phœnix Park. This will be of great service, particularly to the Royal Hibernian Military School, where the supply hitherto, notwithstanding every effort made and great expense incurred, has been very deficient. At the Constabulary Depot the introduction of the Vartry Water will enable the Board to save a large expenditure annually which is at present incurred in pumping the required supply for this building. Great advantage will also attend its being made available for the Mountjoy Convict Prisons.

Queen's Colleges.

Belfast College.—The new Library is very nearly finished, and will be shortly taken up from the contractor.

Cork College.—Certain additions have been made during the past year to the Anatomical Department.

Galway College.—A portion of the Vice-President's house has been added to the Library, giving space for additional books, which was much required, and the other part of this house has been fitted up as a residence for the Registrar, as the office of Vice-President has been abolished.

Probate Court—District Registries.

Plans and specifications for a new District Registry Office at Kilkenny have been prepared, and tenders are about to be invited for the execution of the works.

National Education Buildings.

The new District Model School-house at Enniskillen is now completed, and in occupation by the Board of National Education.

Eleven new ordinary literary National School-houses have been built in the past year, at a total cost of £4,091 11*s.*, towards which the Board paid the sum of £2,727 14*s.*, being two-thirds of the cost; the remaining one-third of the expense being contributed by local persons interested in the schools.

Various additions and improvements, such as providing timber flooring, erecting porches, building enclosing walls and gates, wainscoting, tablet rails, and other works, have been effected at 28 ordinary literary National Schools, at a total cost of £819 7*s.* Towards this sum the Board contributed two-thirds, viz., £546 4*s.* 8*d.*, and the remainder was borne by local persons interested.

Besides this expenditure the Board have expended in repairing and maintaining the Central Model Schools, Dublin, the District Model, and Minor Model Schools, and the Model Agricultural Schools, a sum of £6,562 5*s.* 11*d.*; and on 214 various vested ordinary literary National School-houses in charge of the Board a sum of £1,573 18*s.* 9*d.*

Coast-Guard Stations.

The following new Stations have been completed during the past year :—

Blacksod Bay, county Mayo, for 1 Chief Officer, 1 Chief Boatman, and 4 men.
Dooran, county Donegal, for 1 Chief Boatman and 4 men.
Rachley, county Sligo, for 1 Chief Boatman, 2 Commissioned Boatmen, and 3 men.
Howth, county Dublin, Chief Officer's House.

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Public Buildings.

The works are in progress for the erection of the following new Stations :—

Bangor, county Down, for 1 Chief Officer, 1 Chief Boatman, and 5 men.
Bonmahon, county Waterford, for 1 Chief Officer and 6 men.
Castletownsend, county Cork, for 1 Chief Officer, 1 Chief Boatman, and 4 men.
Cromane Point, county Kerry, for 1 Chief Boatman and 5 men.
Knockadoon, county Cork, for 1 Chief Boatman and 5 men; additional cottage and watch tower; the rest of the station is occupied by the men.

Sites have been obtained for the following new stations :—Ardmore, county Waterford, Ballyglass, county Mayo, Ballycastle, county Antrim, Ballyheige, county Kerry, Ballygeary, county Wexford, Buncrana, county Donegal, Elly Bay, county Mayo, Ballydavid, county Kerry, Courtmacsherry, county Cork, Malin Head, county Donegal, Skull, county Cork, and Sheephaven, county Donegal.

Plans for defences of first and second class stations, and for new arrangement of the buildings generally, have been submitted to and approved by the Lords of the Admiralty, and steps have been taken to proceed in the year 1868-69, with the works of six, and possibly more, of the stations for which sites have been acquired.

Arrangements have also been made for considerable additions and alterations to the stations at Claggan, Fenit, Millcove, and Oysterhaven.

Works of repairs, maintenance, and additions have been executed at the various stations during the past year at a cost of £4,925 12*s.* 10*d.*

Coals and Firewood.

The following are the quantities of coals and firewood supplied to the several public departments in the Dublin District, in the year ended 31st March, 1868, at a total cost of £5,733 2*s.* 9*d.*

Number of departments supplied,	172
" Tons of coals, "	5,933
" " Firewood, "	161

PHŒNIX PARK.

Phœnix Park.

The several plantations in the Park have been carefully maintained. No new works of any extent have been undertaken during the past year.

The People's Garden in this Park has been considerably improved. A house of a suitable character has been built in it for the gardener in charge. New walks have been made; several additional flower beds have been formed, and choice conifers and trees planted.

The public frequent this garden very much, and it is satisfactory to observe that few cases of mischievous damage have occurred, notwithstanding the great numbers that visit it.

LAND IMPROVEMENT.

Land Improvement.

In reporting on this subject we beg, in the first place, to submit to your Lordships the following table, showing the number of applications and the amounts issued during the successive years, from the commencement of operations under the Land Improvement Acts in 1847, to the end of the financial year 1867-68 :—

	No. of Applications.	Amount Issued.
1847, June to December (inclusive),	1,354	£72,790
1848,	571	356,160
1849,	643	379,836
1850,	436	250,324
1851,	280	145,653
1852,	164	88,542
1853,	154	55,454
1854,	123	49,293
1855,	98	35,180
1856,	108	32,510
1857,	114	31,674
1858,	112	35,524
1859,	111	29,334
1860,	135	26,902
1861-2,	154	36,656
1862-3,	184	61,375
1883-4,	138	58,830
1864-5,	132	58,430
1865-6,	90	46,215
1866-7,	98	26,290
1867-8,	145	39,185

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Land Improvement.

This table shows in the present year as compared with the year 1866-67, an increase both in the number of applications for loans, and in loans issued, the number of applications being increased by 47, and the amount issued by £12,895. This may be attributed to the operations of the Act 29 & 30 Vic., cap. 40, and to the new regulations sanctioned by your Lordships, which removed restrictions heretofore imposed, and afforded increased facilities to persons desirous of borrowing under the Land Improvement Acts.

The Reports of our Inspectors, given in the Appendix B, bear testimony to the satisfactory manner in which works have been carried out, and to the benefits arising from them. These officers—the majority of whom have had long experience—possess an intimate knowledge of the agricultural condition of Ireland, and their observations on the working of the Land Improvement Acts are therefore valuable. We beg in particular to refer to the Report of Mr. Fishbourne, to which is appended a letter from Mr. Cosby, an extensive landed proprietor, in which he states the result of his transactions with the Board, and the benefit his property has received from the judicious application of Land Improvement Loans.

We continue to exercise due vigilance in requiring from the borrowers periodical accounts of the expenditure of the sums advanced to them, and are happy to state that the cases are extremely rare in which we have found it necessary either to threaten or to adopt law proceedings.

Up to the 31st March, 1868, 4,375 loans were sanctioned by your lordships, but the whole of the loans so sanctioned have not been issued; for, as mentioned in previous reports, a considerable number of them, or portions of them, have been either relinquished by the borrowers, or cancelled by the Board, under the authority given in the Act 13 & 14 Vic., c. 31.

At the close of the financial year, ended 31st March, 1868, there remained unappropriated out of the fund of £2,000,000 provided for the Land Improvement service by the Acts quoted in the margin, the sum of £5,658, which, with the sum of £1,000,000 provided by the Act 29 & 30 Vic., c. 40, made the total sum available for this service at the end of the financial year, £1,005,658.

10 *Vic. c.* 32
12 *Vic. c.* 23,
13 & 14 *Vic. c.* 31.

The amount issued on account of works up to the 31st March, 1868, was £1,916,157

These totals comprise 357 loans, amounting to £129,965, which have been sanctioned to proprietors for the erection of farm buildings; 74 loans, amounting to £37,270, for labourers' dwellings; and 6 loans, £1,590, for erecting scutch mills for flax.

The following is a tabular statement according to districts and counties, showing the number of applications for loans, and the amounts issued for all classes of work under the several Land Improvement Acts, up to the 31st March, 1868.

SCHEDULE showing the NUMBER of APPLICATIONS and AMOUNTS ISSUED.

Name of County.	No. of Applications.	Amount Issued. £ s. d.	Total No. of Applications.	Total Amount Issued. £ s. d.
NORTHERN DIVISION.				
Antrim,	111	82,438 0 0		
Londonderry,	92	37,218 0 0		
Donegal,	181	88,391 0 0		
Fermanagh,	93	42,855 0 0		
Tyrone,	161	60,270 0 0		
Armagh,	52	12,428 0 0		
Down,	53	23,774 0 0	743	347,694 0 0
MIDLAND AND EASTERN.				
Cavan,	84	20,251 0 0		
Monaghan,	62	23,699 0 0		
Longford,	99	35,956 0 0		
Louth,	53	22,385 0 0		
Meath,	149	77,730 0 0		
Westmeath,	95	28,855 0 0		
Dublin,	105	26,317 0 0		
Kildare,	127	35,823 0 0		
King's,	105	21,343 0 0		
Queen's,	193	72,660 0 0		
Wicklow,	115	41,256 0 0		
Carlow,	132	58,869 0 0		
Kilkenny,	129	46,821 0 0		
Wexford,	190	78,402 0 0	1,638	590,307 0 0

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SCHEDULE showing the NUMBER of APPLICATIONS and AMOUNTS ISSUED—*continued.*

Name of County.	No. of Applications.	Amount Issued.			Total No. of Applications.	Total Amount Issued.		
		£	s.	d.		£	s.	d.
WESTERN.								
Sligo,	122	49,947	0	0				
Leitrim,	112	42,800	0	0				
Mayo,	266	100,679	0	0				
Roscommon,	211	83,790	0	0				
Galway,	426	122,060	0	0				
Clare,	176	49,646	0	0	1,313	448,922	0	0
SOUTHERN.								
Limerick,	394	147,659	0	0				
Tipperary,	302	86,807	0	0				
Waterford,	92	34,990	0	0				
Cork,	617	138,159	0	0				
Kerry,	315	121,619	0	0	1,720	529,234	0	0
		Totals,			5,414	1,916,157	0	0

THOROUGH DRAINAGE.

From the commencement of operations under the Land Improvement Acts, up to the 31st March in this year, 232,767 acres have been thorough drained at an average cost of £5 5s. an acre. Of this quantity, 3,640 acres have been drained during the period from the 1st April, 1867, to 31st March, 1868.

A considerable portion of the land drained has been subsoiled.

FARM BUILDINGS.

Since the passing of the Act 13 & 14 Vic., c. 31, 357 loans, amounting to £129,965, have been sanctioned for the erection of farm buildings, and the operations under 276 of these loans, amounting to £101,460, have been completed.

The following Schedule shows the number of loans for farm buildings completed in each county in Ireland, with the sums sanctioned and issued:—

LOANS for FARM BUILDINGS which have been closed.

Name of County.	No. of Loans.	Amount sanctioned.	Amount Issued.	Name of County.	No. of Loans.	Amount sanctioned.	Amount Issued.
		£	£			£	£
Antrim,	4	1,050	1,050	Longford,	8	2,300	2,300
Carlow,	5	1,550	1,550	Louth,	3	1,100	1,000
Cavan,	5	1,620	1,620	Londonderry,	5	1,500	1,500
Clare,	5	1,950	1,950	Mayo,	18	7,000	6,060
Cork,	31	9,650	9,030	Meath,	3	2,350	2,350
Donegal,	5	1,050	1,050	Monaghan,	1	300	300
Down,	3	1,000	1,000	Queen's,	5	2,400	2,300
Dublin,	7	2,650	2,650	Roscommon,	17	5,800	5,530
Fermanagh,	1	650	520	Sligo,	8	4,350	3,980
Galway,	23	8,530	8,340	Tipperary,	23	9,550	8,490
Kerry,	15	5,060	4,090	Tyrone,	7	2,850	2,850
Kildare,	14	4,350	4,090	Waterford,	1	200	200
Kilkenny,	5	1,000	1,000	Westmeath,	3	4,700	3,220
King's,	2	450	450	Wexford,	9	3,350	3,350
Leitrim,	4	1,100	1,100	Wicklow,	4	1,650	1,500
Limerick,	27	10,400	9,190		276	101,460	93,610

Thirty-eight loans for farm buildings, amounting to £20,150, are in progress, under which a sum of £10,040 has been issued, and 43 loans, amounting to £8,355, have not been proceeded with.

SOUTCH MILLS.

During the past financial year, one additional loan has been made under this head, making the total number of loans sanctioned for this class of work since the passing of the Act, 6, amounting to £1,590, under which £1,330, has been issued.

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Labourers' Dwellings.

Land Improvement.

Since the passing of the Act 23 Vic., c. 19, 74 loans, amounting to £37,270, have been sanctioned by your Lordships.

The following table shows the loans for labourers' dwellings which have been closed:—

Loans for Labourers' Dwellings which have been closed.

County.	Number of Loans.	Amount sanctioned.			Amount Issued.		
		£	s.	d.	£	s.	d.
Armagh,	1	400	0	0	400	0	0
Carlow,	3	2,800	0	0	2,640	0	0
Clare,	1	200	0	0	200	0	0
Cork,	1	550	0	0	110	0	0
Donegal,	1	500	0	0	100	0	0
Down,	2	1,550	0	0	1,080	0	0
Dublin,	3	640	0	0	420	0	0
Fermanagh,	1	300	0	0	300	0	0
Kerry,	3	950	0	0	870	0	0
Kildare,	1	500	0	0	500	0	0
Limerick,	1	300	0	0	300	0	0
Longford,	1	200	0	0	200	0	0
Meath,	1	400	0	0	400	0	0
Monaghan,	2	480	0	0	480	0	0
Queen's,	1	240	0	0	240	0	0
Sligo,	1	900	0	0	360	0	0
Tyrone,	1	500	0	0	100	0	0
Waterford,	1	350	0	0	350	0	0
Westmeath,	2	1,200	0	0	640	0	0
Wexford,	5	1,900	0	0	1,850	0	0
	33	14,860	0	0	11,540	0	0

Of the remaining loans 24 are in progress, amounting to £11,235, under which £5,030 has been issued up to the 31st March, 1868, and 17 amounting to £11,175, have not been proceeded with.

In the Appendix B, we give extracts from the Reports of several of our Inspectors on the operations of the past year.

Appendix C is a statement of the loans under which works are in progress, with the amounts and the dates of the last orders for issue.

ARTERIAL DRAINAGE.

Arterial Drainage.

With Improvements of Navigation and Water-power, under the Acts 5 & 6 Vic., cap. 89; 8 & 9 Vic., cap. 69; 9 Vic., cap. 4; 10 & 11 Vic., cap. 79; 16 & 17 Vic., cap. 130; 18 & 19 Vic., cap. 110; 19 & 20 Vic., cap. 62; 20 & 21 Vic., cap. 23; and 21 & 22 Vic., cap. 41.

The Board's duties in connexion with the works of Arterial Drainage under the above-named Acts, have been confined during the past year, as they have been since 1861, to determining, on the application of proprietors, the amount of increased rent to be paid by tenants holding under leases in respect of the benefit derived by them from improvements in their holdings, resulting from the Drainage operations, and to giving information, assistance, and advice to the Trustees of Districts, on such points connected with their trusts as they might request, and which we have felt it within our province to give, all executive operations having been long since brought to a close.

No change has taken place in regard to the Board's responsibility in respect of the Clonakilty Slob-lands.

The whole expenditure charged against the different undertakings commenced under the Arterial Drainage Acts, including £70,201 for works chargeable to counties, amounted at the end of March, 1868, to £2,390,613; and the repayments in respect thereof amounted to £920,110.

Drainage and Improvement of Lands Acts (Ireland).

26 & 27 Vic., c. 88; 27 & 28 Vic., c. 72; and 28 & 29 Vic., c. 52.

Six new Drainage Districts have been submitted for our consideration since our last Annual Report, namely, the Clodiagh, county Tipperary; the Island Lakes and Glore

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River, Mayo; the Lough Oughter and River Erne, Cavan; the Buncam Lough and Ballyhean River, Mayo; the Gully, Queen's county; the Doohyle, Limerick. The total number of districts brought before the Board since the passing of these Acts is 20. They are as follow:— *Arterial Drainage.*

1. Athboy, county of Meath.
2. Ballynacarrig, King's and Queen's counties.
3. Thurles, county of Tipperary.
4. Rathdowney, Queen's county.
5. Six-mile-bridge, county of Clare.
6. Kilmastulla, county of Tipperary.
7. Silver River, King's county and county of Westmeath.
8. Parsonstown, King's county and county of Tipperary.
9. Camoge, county of Limerick.
10. Elphin, county of Roscommon.
11. The Connell, county of Kildare.
12. Brickey, county of Waterford.
13. Upper Inny, counties of Cavan, Longford, Meath, and Westmeath.
14. The Quinagh, county of Carlow.
15. The Clodiagh, county of Tipperary.
16. The Island Lakes and Glore River, county of Mayo.
17. Lough Oughter and River Erne, county of Cavan.
18. Buncam Lake and Ballyhean River, county of Mayo.
19. The Gully, Queen's county.
20. The Doohyle, county of Limerick.

Acts have been passed confirming the provisional orders of the Board constituting seven of these districts, viz., Athboy, Ballynacarrig, Rathdowney, Six-mile-bridge, Kilmastulla, the Silver River, the Connell, the Brickey, the Quinagh, the Parsonstown, and the Elphin.

The works of the Athboy, Kilmastulla, Rathdowney, Silver River, and Ballynacarrig Districts are all but complete. Considerable progress has been made in the Six-mile-bridge and the Connell Districts, and the Parsonstown and Quinagh Districts have been commenced. The Brickey and the Elphin are about to be commenced.

With regard to the nine remaining Districts, the Thurles was abandoned by the petitioners. The Camoge, Upper Inny, and the eight last-named are passing through the stages required by the Acts previous to provisional orders constituting them being made.

The Loans sanctioned by your Lordships under these acts are as follow:—

Kilmastulla, county Tipperary,	£9,364
Six-mile-bridge, county Clare,	16,000
Rathdowney, Queen's county,	2,450
Athboy, county Meath,	5,400
Silver River, county Westmeath and King's county,	3,233
Ballynacarrig, King's and Queen's counties,	5,600
The Connell, county Kildare,	2,000
Parsonstown, county Tipperary and King's county,	9,140
The Quinagh, county Carlow,	2,600

The total area of land to be improved in the nineteen Districts which are being proceeded with is 41,828A. 0R. 0P., and the estimated cost of the works £157,087.

Drainage Maintenance Act, 1866.

29 & 30 Vic., cap. 49.

"An Act to provide for the better Maintenance of Works executed under the Acts for "the Drainage of Lands in Ireland," was passed on the 16th July, 1866. Memorials in accordance with the provisions of this Act, in respect of the Ballinderry District, in the King's county and the county Westmeath, the Balla and Lough Dalla Districts, in the county Mayo, and the Brosna (Ferbane), in the King's County, were presented. The necessary works in the Ballinderry District have been executed, and the charging order made. The works have been commenced in the Balla District, and are about to be commenced in the Lough Dalla District. The case of the Brosna (Ferbane) is under consideration.

HARBOURS. *Harbours.*

Kingstown Harbour, County Dublin.

During the past year the surface of all the Roads and Footpaths were maintained, cleaned, watered, and lighted. The Piers, Jetties, Wharfs, Buildings, Fences, Roads, and Sewers, and all works connected with the Harbour, have been maintained in an efficient state of repair.

The underpinning of the western face of the Mail Packet Pier has been proceeded with, and the deep channel at its base, which had been caused by the action of the paddles of the Steam Packets, and was the cause of the subsidence, has been partially filled in with stones.

Fenders, Mooring-posts, a Ballast Depôt, and a public Privy were constructed at Old Dunleary Harbour.

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Harbours.

The free bathing place at Salthill for women of the poorer classes has been completed and fitted with dressing-boxes, &c.—*See Appendix D.*

The following is a return of the Vessels that have used the Harbour during the last year, 1867—Mail and Passenger Steamers and Yachts excepted :—

	Number.	Tonnage.
Sailing Vessels, to and from the port of Dublin, waiting wind or tide,	500	85,131
Steamers waiting tide,	17	6,263
From English, Irish, Scotch, and Foreign ports, to Irish ports,	286	21,918
From English, Scotch, and Foreign ports, to English and Scotch ports,	145	17,014
From Irish ports to English, Scotch, and Foreign ports,	179	11,895
From English and Scotch ports to Foreign ports,	42	11,015
For Orders,	6	2,559
To Kingstown,	638	57,155
Men-of-War, H. M. Troop Steamers, and Coast Guard Cruisers,	14	—
Total,	1,827	212,950
In the previous year the numbers were,	1,832	239,969

Donaghadee Harbour, County Down.

Two considerable breaches in the sea slope, which were caused by the storms during the winter of 1866–67, have been thoroughly repaired, and the works of the Harbour have been maintained in good order.—*See Appendix D.*

Dunmore Harbour, County Waterford.

While the repair of the damage, which the Harbour had sustained from the unusually severe storms in the early part of the year 1867, were in progress, a short but very violent gale from the S.E. occurred on the 12th September last, which did considerable injury to the works. The repair of this damage is now going on well. The silting up of the Harbour, mentioned in our last Report, continues to increase, and a considerable outlay will shortly be required for dredging out this deposit.—*See Appendix D.*

Howth Harbour, County Dublin.

The dredging the Harbour was brought to a close on the 1st September last, the grant under the 26th & 27th Vic., c. 72, for that purpose having been expended. Six hundred and fifty lineal feet of the West Pier have been let to fish-curers, who are about to erect fish-curing establishments thereon. A temperance refreshment-room has also been built, and a ship carpenters' shop is being built on the Pier for the convenience of the fishermen. The Roadways and other works have been kept in good repair.—*See Appendix D.*

Galway Harbour.

Act 30 & 31 Vic., c. 56.

"The Galway Harbour (Composition of Debt) Act, 1867," passed 15th July, '67, and Deeds of Annuity and Composition have been executed thereunder.

The debt of £20,656 5*s.*, was compounded for £10,000, to be paid to the Commissioners of Public Works as an annuity of £410 a-year, including principal and interest, for fifty years, from 1st May, 1868.

Under the authority of this Act the charge of this harbour, docks, &c., has been placed in the care of the Local Harbour Commissioners.

Limerick Harbour.

Act 30 & 31 Vic., c. 53.

"The Limerick Harbour (Composition of Debt) Act, 1867," passed 15th July, '67, and Deed of Composition, &c., have been executed thereunder.

The Composition effected of the Debt was as follows :—As the sum of £179,384 12*s.* 4*d.* was advanced by the late Loan Commissioners, and the Board of Public Works in Ireland, and as there is still due for principal and interest £230,000, the debt is now assumed to be £65,000, of which £55,000 shall be repaid by the harbour, by an annuity, at the rate of 4·0729 per cent. principal and interest, commencing 1st May, 1868, and £10,000 is to be a charge on Wellesley Bridge.

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Under the authority of this Act the harbour, docks, &c., have been taken from this department and placed in charge of the Local Harbour Commissioners. *Harbours.*

This Act at the same time vests Wellesley Bridge in the Commissioners of Public Works.

FISHERY PIERS AND HARBOURS.

Fishery Piers and Harbours.

Acts Vic., c. 3; 9 & 10 Vic., c. 75; 16 and 17 Vic., c. 136; 19 & 20 Vic., c. 37; 29 & 30 Vic., c. 45.

Kilkeel Pier, County Down.

The works of this Pier, which the Board had to take into their own hands, owing to the failure of the Contractor, are now almost finished.—*See Appendix D.*

Newcastle Pier, County Down.

Serious damage was caused to this Pier by the storms of January and March, 1867; it has been repaired in a substantial and satisfactory manner.—*See Appendix D.*

The works of the following Piers have been satisfactorily completed since the last annual report:—

Carrigaholt, county Clare.
Leenaun, county Galway.
Barnaderg, county Galway.

The following Piers are in course of construction; the first-named by a Contractor, the others by the Board's Officers:—

Bantry, county Cork
Lady Elizabeth's Cove, county Waterford.
Spiddle, county Galway.
Clifden, county Galway.

A contract has been let for a small Pier or Boat Slip at Arranmore, county Donegal.

At Passage East the works have not been commenced, as the Waterford Harbour Commissioners, who have subscribed towards the cost of the work, wish for an alteration in the design, which is under consideration.

Applications for Grants in aid of Piers at—

Greystones, county Wicklow;
Pollaghenny, county Sligo;
Errislannon, county Galway;
Lough Swilly, county Donegal;
Currawnachil, county Mayo;
Ballycastle, county Down;

are under consideration.

INLAND NAVIGATIONS.

Inland Navigation.

Boyne Navigation

The works of this navigation have been maintained in good repair. The Lockkeeper's house at Castle Lock has been rebuilt.—*See Appendix D.*

River Maigue Navigation.

The works are in a satisfactory state of repair.—*See Appendix D.*

Shannon Navigation.

The works on this navigation have been confined to those of ordinary maintenance and repairs; all the works have been kept in good order.—*See Appendix D.*

Tyrone Navigation—Coal Island Canal.

No expenditure has been made on this navigation during the past year beyond what was necessary for its proper maintenance.—*See Appendix D.*

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Ulster Canal.

Inland Navigation.

The works of repair of this navigation are all but complete. Plans are in preparation for increasing the area of the Storeage Reservoir at Quiglough so as to provide for a sufficient water supply for the Canal.—*See Appendix D.*

On the several navigations the weed "Anacharis Alsinastrum," continues to be a source of expense and inconvenience.

The Sewage Utilization Act, 1865.

THE SEWAGE UTILIZATION ACT, 1865.

28 & 29 Vic., cap. 75.

Under the provisions of this Act, since our last annual report, applications have been made to the Board to recommend the Public Works Loan Commissioners to make Loans for Works of Sewerage in the towns of—

Bray, county Wicklow.
Castlegregory, county Kerry.
Kinsale, county Cork.
Moville, county Donegal.

Having examined the plans, estimates, &c., of the proposed works, and having had the necessary local examinations made, we have recommended the cases of Bray, Castlegregory, and Kinsale, to the favourable consideration of the Public Works Loan Commissioners. The case of Moville awaits the report of the Board's Engineer.

Post Roads.

POST ROADS.

Act 6 & 7 Wm. IV., cap. 116.

On the application of the Postmaster-General, under the 61st section of the above-named Act, repairs have been executed during the past year on post roads situated in the following counties:—

Donegal.	Down.	Dublin.
Kerry.	Mayo.	

These repairs have been executed under the superintendence of the respective County Surveyors, at a cost of £3,366 7*s.* 2*d.*, repayable by Grand Jury Presentment at subsequent Assizes.

We have the honour to be

Your Lordship's obedient Servants,

J. G. M'KERLIE.
W. R. LE FANU.

E. HORNSBY, *Secretary,*
Office of Public Works, Dublin,
1*st June*, 1868.

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APPENDIX.

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Appendix A.—	Accounts,	18
„ B.—	Landed Property Improvement,	44
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„ D.—	Inland Navigations and Harbours,	53

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APPENDIX A.—

(A.)—ABSTRACT of the ACCOUNTS of the COMMISSIONERS of PUBLIC WORKS in IRELAND, showing the Total of

Reference to Account.	Page.	HEADS OF ACCOUNT.	Balances on 31st March, 1867.	Received.
			£ s. d.	£ s. d.
A 1	20	Loans, Advances, and Repayments, viz.:— Loans, 57 Geo. III., c. 34, ... ; " 1 & 2 Wm. IV., c. 33, ... ; " 6 & 7 Vic., c. 44, ... ; Arterial Drainage, ... ; Labouchere Drainage, ... ; Land Improvement, ...	2,102 15 8	233,760 7 9
A 2	20	Land Improvement Preliminaries, 10 Vic., c. 32, ...	210 10 6	1,383 15 2
A 3	22	Parliamentary Votes and Grants, viz.:— 1. Public Buildings, Royal Harbours, &c., ... ; 2. New Record Buildings, ... ; 3. Salaries and Incidents of Office, ... ; 4. Central Criminal Lunatic Asylum, Dundrum, ... ; 5. Royal Dublin Society, ... ; 6. Howth Harbour, ... ; 7. Convict Prisons, ... ; 8. Coast-guard Stations, ...	—	131,885 8 1
A 4	28	Miscellaneous Services, viz.:— 1. Maintenance of Post Roads, ... ; 2. Receivers' Accounts for Loans, ... ; 3. Wellesley Bridge, ... ; 4. Inland Navigations:—Shannon, ... ; " Boyne, ... ; " Tyrone, ... ; " Maigue, ... ; " Ulster Canal, ... ; 5. Metropolitan Police Buildings, ... ; 6. Arbitration Accounts, ... ; 7. Piers and Harbours Act, 9 Vic., c. 3; and 10 & 11 Vic., c. 75, ... ; 8. Maynooth College, ... ; 9. Phœnix Park Grazing Rents, &c., ... ; 10. Drainage Deposit Accounts, per Act 26 & 27 Vic., c. 88, &c., ... ; 11. River Drainage Works, per Act 5 & 6 Vic., c. 89, &c., ... ; 12. Sundry Drainage Maintenance Accounts, 29 Vic., c. 49, ... ; 13. Sundry Accounts, ...	2,948 5 3	38,740 18 5
		Total, ...	5,261 11 5	405,770 9 5
A 5	34	Classified Abstract of Loans for Public Works, 1 & 2 Wm. IV., c. 33; and 6 & 7 Vic., c. 44.		
A 6	36	Statement of open Loan Accounts, 1 & 2 Wm. IV., c. 33; and 6 & 7 Vic., c. 44.		
A 7	36	Ditto, 57 Geo. III., c. 34.		
A 8	38	Statement of Final Awards under Arterial Drainage Act, with Repayments thereon, to the 31st March, 1868.		

Office of Public Works, Dublin, 1st May, 1868.

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ACCOUNTS.

Sums intrusted to their Management for Collection or Disbursement for One Year, ended on 31st March, 1868.

Balances Overdrawn on 31st March, 1868.	Totals.	Overdrawn Balances from Accounts to 31st March, 1867.	Paid.	Balances on 31st March, 1868.	Totals.
£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
—	235,863 3 5	—	230,020 7 9	5,842 15 8	235,863 3 5
—	1,594 5 8	—	1,017 0 8	577 5 0	1,594 5 8
—	131,885 8 1	4,360 4 11	122,780 19 5	4,735 3 9	131,885 8 1
—	41,689 3 8	—	35,666 12 10	6,022 10 10	41,689 3 8
—	411,032 0 10	4,369 4 11	389,485 0 8	17,177 15 3	411,032 0 10

W. B. SCADY, *Accountant.*

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(A 1.)—An Account, showing the Receipts and Expenditure of the

PUBLIC LOANS.

	£ s. d.	£ s. d.	£ s. d.
To balance, 31st March, 1867,	—	—	2,102 15 8
Loans Advances.			
Public Works, 6 & 7 Vic., c. 44:— Amount received from Commissioners of National Debt,	—	10,678 13 3	
Land Improvement, 10 Vic., c. 32, &c.:— Amount issued from Consolidated Fund,	—	43,000 0 0	
Total issued for Loans,	—	—	53,676 13 3
Loans Repayments.			
1. Public Works Loans:— Amounts received under the following Acts, viz.:—			
Loans, 57 Geo. III., c. 34,	180 0 0		
Loans, 1 & 2 Wm. IV., c. 33,	1,155 2 4		
Loans, 6 & 7 Vic., c. 44—Public Works,	4,814 17 6	6,149 19 10	
2. Arterial Drainage:— Amount received from Proprietors for Drainage Works,	—	53 666 6 11	
3. Labouchere Drainage:— Amount received from Proprietors,	—	10,627 19 4	
4. Land Improvement:— Amount received from Proprietors,	—	109,639 8 5	
Total Repayments,	—	—	180,083 14 6
			235,863 3 5

Office of Public Works, Dublin, 1st May, 1868.

(A 2.)—LAND IMPROVEMENT

RECEIPTS.	£ s. d.	£ s. d.
Balance from last Account,	—	210 10 6
Amount received from Treasury by way of Loan,	800 0 0	
" " from Proprietors in Repayment of Preliminary Expenses,	583 15 2	1,383 15 2
		£1,594 5 8

Office of Public Works, Dublin, 1st May, 1868.

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COMMISSIONERS of PUBLIC WORKS in the Year ended 31st March, 1868.

ADVANCES AND REPAYMENTS.

	£ s. d.	£ s. d.	£ s. d.
LOANS ADVANCES.			
Public Works, 6 & 7 Vic., c. 44 :—			
Amount advanced on Loans, viz. :—			
To District Drainage Board, 26 & 27 Vic., c. 88,	8,614 0 0		
For Drainage Maintenance, 29 & 30 Vic., c. 49,	92 13 3		
For Piers and Harbours, 9 Vic., c. 3, &c.,	1,970 0 0		
		10,676 13 3	
Land Improvement, 10 Vic., c. 32, &c. :—			
Paid to Proprietors on account of Loans,	—	39,185 0 0	
Total paid to Borrowers,	—	—	49,861 13 3
LOANS REPAYMENTS.			
1. Public Works Loans :—			
Amounts transferred to H. M. Exchequer, viz. :—			
Loans, 57 Geo. III., c. 34,	180 0 0		
Loans, 1 & 2 Wm. IV., c. 33,	1,155 2 4		
Loans, 6 & 7 Vic., c. 44,	4,814 17 6		
		6,149 19 10	
2. Arterial Drainage :—			
Amount transferred to H. M. Exchequer,	—	*53,666 6 11	
3. Labouchere Drainage :—			
Amount transferred to H. M. Exchequer,	—	10,627 19 4	
4. Land Improvement :—			
Amount transferred to H. M. Exchequer,	—	109,714 8 5	180,158 14 6
Balance carried to next Account,	—	—	5,842 15 8
			235,863 3 5

* See details under districts, pp. 38 to 43.

W. B. SOADY, *Accountant.*

PRELIMINARIES, 1867–68.

EXPENDITURE.	£ s. d.	£ s. d.
Amount paid to Exchequer in Repayment of Advances,	277 9 5	
" paid for Preliminary Investigations, Advertising, Scrivenery, &c.,	739 11 3	1,017 0 8
Balance carried to next Account,	—	577 5 0
		£1,594 5 8

W. B. SOADY, *Accountant.*

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Account showing the Receipt and Expenditure of the Commissioners

(A 3.)—PARLIAMENTARY

RECEIPT.	£	s.	d.	£	s.	d.	£	s.	d.
1. Public Buildings, &c. :—									
Issued from H. M. Exchequer on account of Votes, .	78,479	6	4						
Do., do., (Civil Contingencies), .	4,000	0	0						
				82,479	6	4			
Sundry Receipts, Rents, Sale of Old Stores, &c., . .	—			223	3	11			
Contributions in aid of National Schools, . . .	—			303	12	3			
Carried forward, ...	—			83,006	2	6			

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of Public Works, in the Year ended 31st March, 1868.

VOTES AND GRANTS.

EXPENDITURE.	£ s. d.	£ s. d.	£ s. d.
Balance brought from the last Account,	—	—	4,369 4 11
1. Public Buildings, &c.:—			
Royal Hibernian Military School—Repairs, Alterations, Furniture, &c.,	2 738 7 1		
Royal Hospital, Kilmainham—Additions, Repairs, Alterations, &c.,	4,484 2 11		
Commissariat Office—Repairs, Rent, &c.,	92 2 2		
Inspector-General of Militia Office—Repairs, &c.,	27 17 10		
"Mermaid," Powder Ship, ditto,	42 3 6	7,384 13 6	
Custom House, Dublin—General Repairs and Alterations to several Offices, &c.,	1,493 5 2		
Custom House, Cork—Repairs, &c.,	63 6 8		
Custom House, Belfast, ditto,	473 7 2		
Custom House, Limerick, ditto,	33 1 0		
Customs Buildings throughout Ireland—Additions, Repairs, Alterations, &c.,	451 11 3		
General Post Office, Dublin—Additions, Repairs, Alterations, &c., 1,156 17 8			
Post Office, Cork, Repairs, &c., 26 15 4	1,183 13 0		
Inland Revenue Buildings—Alterations, Repairs, Furniture, &c.,	774 11 2	4,472 15 5	
Dublin Castle—Furniture, General Repairs, and Alterations to State Apartments, Public Offices, &c.,	5,690 2 7		
Phœnix Park Residences, &c.—General Repairs, Furniture, Additions and Alterations to the Viceregal and other Lodges, &c.,	7,431 13 0	13,121 15 7	
Four Courts—Furniture, Repairs, Alterations, &c., to several Courts, Chambers, Offices, &c.,	4,062 0 2		
King's Inns—Repairs and Alterations to several Offices, &c.,	290 6 7		
Four Courts' Marshalsea—Repairs, Alterations, &c.,	224 16 5		
District Probate Registry Offices—Rents, Repairs, Alterations, &c.,	251 4 9	4,828 7 11	
New Metropolitan Police Court:			
Works under Contract, £2,700 0 0			
Salary of Clerk of Works, 119 0 0	—	2,819 0 0	
Depôt for Crown Witnesses—Alterations, Materials, &c.,	—	396 8 6	
Royal Irish Constabulary Depôt Barracks, Phœnix Park:—			
Repairs, Alterations, &c., £2,370 17 0			
Additions, 393 9 8	2,764 6 8		
Royal Irish Constabulary Buildings throughout Ireland:—			
Repairs, Alterations, &c., £253 19 2			
Additions, &c., Barracks at Macroom, 143 6 10			
Ditto, at Longwood, 309 8 0			
New Buildings—Barracks at Maam, 129 9 0			
" " at Limerick, 1,034 10 8	1,870 14 2	4,635 0 10	
National Education Buildings, &c.:—			
Repairs and Works at the Offices, Schools, Lecture-rooms, and Training Departments in Dublin,	2,034 10 3		
Repairs and Alterations to Model Agricultural Schools, including Albert Model Farm,	1,746 19 8		
Repairs, Alterations, and Additions, to District Model Schools,	2,308 5 7		
Carried forward,	6,179 15 6	37,658 1 0	4,369 4 11

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An Account showing the Receipt and Expenditure of the Commissioners

(A 3.)—PARLIAMENTARY

RECEIPT—*continued.*	£ s. d.	£ s. d.	£ s. d.
Brought forward, . . .	—	83,006 2 6	
1. Public Buildings, &c.—*continued.*			
Kingstown Harbour :—			
Harbour Dues, ...	2,361 12 11		
Rents, &c., ...	425 13 6		
		2,787 6 5	
Carried forward, . . .	—	85,793 8 11	

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of Public Works, in the Year ended 31st March, 1868.

VOTES AND GRANTS—*continued.*

EXPENDITURE—*continued.*	£ s. d.	£ s. d.	£ s. d.
Brought forward,	6,179 15 6	37,658 1 9	4,369 4 11
1. Public Buildings, &c.—*continued.*			
Repairs and Alterations to Minor Model Schools,	382 10 5		
Repairs and Maintenance of Ordinary Literary Schools,	1,573 18 9		
Grants in aid of Building, Improving, Furnishing, and Enclosing Sites of Ordinary Literary Schools,	3,278 11 8		
Building New Model School at Enniskillen,	2,351 5 5		
Proportion of saving of Expenditure on Murvey National School, returned to Contributor,	2 10 9	13,768 12 6	
The Queen's Colleges:—			
Belfast—Additions, Repairs, Alterations, &c.,	2,777 1 7		
Cork, ditto, ditto,	1,624 3 1		
Galway, ditto, ditto,	780 0 11	5,181 5 7	
Royal Irish Academy—Repairs, Alterations, Rent, &c.,	—	645 8 4	
National Gallery—Repairs, Materials, &c.,	—	270 9 11	
Irishtown Church—Repairs, &c.,	—	23 19 7	
Charitable Bequests Office—Repairs, Rent, &c.,	—	84 0 6	
Stationery Office—Repairs, Alterations, &c.,	—	196 8 11	
General Survey and Valuation Office:— Furniture, Repairs, &c.,	—	355 3 11	
Special Fishery Commission Office—Repairs, Rent, &c.,	—	104 16 0	
Offices, 3, Ormond-quay—Furniture, Repairs, &c.,	—	613 17 0	
General Registry Office, Henrietta-st.—Rent, Repairs, &c.,	—	416 5 7	
Store and Yard, City-quay—Rent,	—	7 5 4	
Contingencies, Salaries of Clerks of Works, Maintenance of Clocks, Chimney Cleaning, &c.,	—	907 19 5	
Coals and Firewood supplied to sundry Public Departments,	—	4,592 6 10	
Tyrone Navigation—issued to meet Cost of Repairs, &c.,	—	75 0 0	
Maigue Navigation ditto,	—	30 0 0	
Phœnix Park—Maintenance, &c.:—			
Labour and Materials, Alterations and Repairs to Gate Lodges, Cultivation of Deer Farm, &c., &c.,	3,645 14 7		
Salaries of Bailiff, Deerkeeper, Gate-keepers, Constables, &c.,	1,016 8 4		
Contingencies, including Gaslight, and attendance of Police,	198 18 0		
New Flower Garden—Planting, &c.,	84 2 10		
	4,945 3 9		
Gardener's Cottage—People's Garden, £460 0 0			
New Propagating Pit, do. 151 0 0	611 0 0	5,556 3 9	
Kingstown Harbour:—			
Salaries of Harbour Master, Superintendent, &c.,	539 15 10		
Boatmen, Watchmen, &c.,	580 16 2		
Incidents and Contingencies, including Gaslight,	409 7 9		
Rent and Taxes,	21 15 2		
Boat, Anchors, Sails, &c.,	86 1 9		
Ballast supplied, Contract,	336 4 0		
Maintenance, General Repairs, Materials, &c., Works at the Mail Packet Pier, Timber, Piling, Iron Bollards, &c.,	4,486 5 7		
Building New Wharf at Coal-quay, £553 3 9			
New Lighter, 398 0 0			
Purchase of Land, Law Expenses, &c., 183 17 5	1,135 1 2	7,595 7 5	
Carried forward,	—	78,082 12 4	4,369 4 11

D

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AN ACCOUNT showing the RECEIPT and EXPENDITURE of the COMMISSIONERS

(A 3.)—PARLIAMENTARY

RECEIPT—*continued.*	£ s. d.	£ s. d.	£ s. d.
Brought forward,	—	85,793 8 11	
Donaghadee Harbour :—			
Rents,	5 6 8		
		5 6 8	
Dunmore Harbour :—			
Harbour Dues,	25 15 1		
Rents,	21 4 4		
		46 19 5	
Transferred from "Miscellaneous Services" :—			
Maigue Navigation,	—	26 16 6	
Ulster Canal,	—	38 19 8	
			85,911 11 2
2. NEW RECORD BUILDINGS :—		Nil.	
3. SALARIES AND INCIDENTS OF OFFICE :—			
Issued from H. M. Exchequer on account of Vote,	24,702 9 7		
Law Costs recovered,	78 6 3		
Registration Fees,	3 17 2		
Sundry Receipts,	19 6 0		
		24,803 19 0	
			24,803 19 0
4. CENTRAL CRIMINAL LUNATIC ASYLUM, DUNDRUM :—			
Issued from H. M. Exchequer on account of Vote,	—	—	1,500 0 0
5. ROYAL DUBLIN SOCIETY :—			
Issued from H. M. Exchequer on account of Vote,	—	1,358 0 0	
			1,358 0 0
6. HOWTH HARBOUR :—			
Harbour Dues,	—	504 14 10	
Rents, &c.,	—	212 7 9	
			717 2 7
7. CONVICT PRISONS :—			
Received from the Directors of Convict Prisons,	—	4,427 14 6	
			4,427 14 6
Carried forward,	—	—	118,718 7 3

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of Public Works, in the Year ended 31st March, 1868.

VOTES AND GRANTS—*continued.*

EXPENDITURE—*continued.*	£ s. d.	£ s. d.	£ s. d.
Brought forward,	—	78,082 12 4	4,369 4 11
Donaghadee Harbour :—			
Labour, Materials, Incidents, &c.,	479 3 7		
Salary of Harbour Master,	20 0 0		
		499 3 7	
Dunmore Harbour :—			
Labour, Materials, Plant, Incidents, &c.,	900 17 7		
Salary of Clerk of Works,	94 6 3		
Salary of Harbour Master,	20 0 0		
		1,015 3 10	
Transferred to "Miscellaneous Services":—			
Tyrone Navigation,	—	25 4 11	
			79,622 4 8
2. New Record Buildings :—			
Transferred to Her Majesty's Exchequer,	—	—	309 13 11
3. Salaries and Incidents of Office :—			
Salaries of the Board and Establishment,	20,608 16 10		
Law expenses,	144 13 7		
Travelling expenses, &c.,	1,325 7 6		
Progress Inspections,	691 12 7		
Incidents, &c.,	423 2 6		
		23,193 13 0	
Salaries and Incidents of Fisheries :—			
Salary of Inspecting Commissioner,	600 0 0		
Travelling expenses, &c.,	272 10 5		
Incidents,	335 12 6		
		1,208 2 11	
			24,401 15 11
4. Central Criminal Lunatic Asylum, Dundrum :—			
Alterations, Repairs, Rent, &c.,	—	—	1,587 9 5
5. Royal Dublin Society :—			
Alterations and Repairs to Buildings in Kildare-street,	—	571 10 11	
Ditto, Botanic Gardens, Glasnevin,	—	342 6 1	
			913 17 0
6. Howth Harbour :—			
Labour, Materials, &c.,	—	705 2 11	
Salaries of Harbour Master and Assistant,	—	68 14 11	
Incidents,	—	15 16 9	
			789 14 7
7. Convict Prisons :—			
Mountjoy (Male)—Repairs, Alterations, &c.,	—	694 13 9	
Mountjoy (Female)—			
Works under Contract,	1,123 9 10		
Salary of Clerk of Works,	56 6 8		
Repairs, Alterations, &c.,	923 3 2		
		2,102 19 8	
Smithfield—Repairs, Alterations, Rent, &c.,	—	243 8 4	
Lusk, Rent,	—	3 0 7	
			3,044 2 4
Carried forward,	—	—	115,038 2 9

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AN ACCOUNT showing the RECEIPT and EXPENDITURE of the COMMISSIONERS

(A. 3.)—PARLIAMENTARY

RECEIPT.	£ s. d.	£ s. d.	£ s. d.
Brought forward,	—	—	118,718 7 3
8. Coast Guard Stations :—			
Received from the Admiralty,	—	13,152 3 10	
Relodged,	—	14 17 0	
			13,167 0 10
			131,885 8 1

Office of Public Works, Dublin, 1st *May,* 1868.

(A 4.)—MISCELLANEOUS

RECEIPT.	£ s. d.	£ s. d.	£ s. d.
To balance from last Account,	—	—	2,948 5 3
1. MAINTENANCE OF POST ROADS :—			
Advances from Consolidated Fund,	—	4,700 0 0	
Amount received from the following Counties, in repayment of advances made for repairs, viz. :			
Co. Donegal,	309 15 2		
„ Clare,	219 6 6		
„ Dublin,	1,030 1 7		
„ Down,	171 10 0		
		1,730 13 3	
Total Receipts, "Post Roads,"	—	—	6,430 13 3
2. RECEIVER'S ACCOUNTS FOR LOANS :—			
Galway Harbour :			
Dues on Shipping and Merchandize,	1,989 3 3		
Rents,	7 10 0		
		1,996 13 3	
Limerick Harbour :			
Dues on Shipping and Merchandize,	4,263 11 1		
Rents, &c.,	49 3 0		
Transfer to Wellesley Bridge,	249 10 0		
		4,562 4 1	
Total Receipts, "Loans Receiver,"	—	—	6,558 17 4
Carried forward,	—	—	15,937 15 10

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of Public Works, in the Year ended 31st March, 1868.

VOTES AND GRANTS—*continued.*

EXPENDITURE.	£ s. d.	£ s. d.	£ s. d.
Brought forward,	—	—	115,038 2 9
8. Coast Guard Stations :—			
Maintenance of, and Additions to, Existing Stations,	—	4,925 12 10	
New Buildings :—			
Ardmore,	1 7 0		
Ballydavid,	3 6 6		
Ballygeary,	6 1 7		
Ballyglass,	180 2 7		
Ballyhiegue,	14 13 11		
Bangor,	245 11 4		
Blacksod Bay,	1,576 8 0		
Bonmahon,	606 4 11		
Castletownsend,	885 17 3		
Cromane,	642 19 1		
Dooran,	691 5 2		
Knockadoon,	527 19 1		
Rachley,	1,178 4 11		
Rosse's Point,	169 2 7		
Tribane,	293 12 11		
Wicklow,	163 11 11		
		7,186 8 9	12,112 1 7
Balance,	—	—	4,735 3 9
			131,885 8 1

W. B. Soady, *Accountant.*

SERVICES.

EXPENDITURE.	£ s. d.	£ s. d.	£ s. d.
1. Maintenance of Post Roads, &c. :—			
Amount expended for the Repairs of Roads in the following Counties, viz. :			
County Donegal,	523 17 2		
" Dublin,	1,374 17 4		
" Down,	1,412 10 0		
" Kerry,	55 2 8		
		3,366 7 2	
Repaid to H. M. Exchequer,	—	1,730 13 3	
Total Expenditure, "Post Roads,"	—	—	5,097 0 5
2. Receiver's Accounts for Loans :—			
Galway Harbour :			
Maintenance and Repairs of Works,	516 19 1		
Salaries and Incidents,	107 16 10		
Payment to Harbour Commissioners, pursuant to 30 & 31 Vic. c. 53,	400 0 0		
		1,024 15 11	
Limerick Harbour :—			
Maintenance and Repairs of Works,	763 16 5		
Salaries and Incidental Charges,	274 1 8		
Sir Thomas Deane, for Interest,	94 9 8		
Payment to Harbour Commissioners, pursuant to 30 & 31 Vic. c. 53,	1,500 0 0		
Transfer to H. M. Exchequer,	1,700 0 0		
		4,332 7 9	
Total Expenditure, "Loans Receiver,"	—	—	5,357 3 8
Carried forward,	—	—	10,454 4 1

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AN ACCOUNT showing the RECEIPT and EXPENDITURE of the COMMISSIONERS

(A 4.)—MISCELLANEOUS

RECEIPT.	£ s. d.	£ s. d.	£ s. d.
Brought forward,	—	—	15,937 15 10
3. WELLESLEY BRIDGE:—			
Rent of Bridge for one year,	—	—	400 0 0
4. INLAND NAVIGATIONS:—			
Shannon Navigation:			
Rents,	1,340 11 4		
Tolls,	1,212 11 1		
Sales, &c.,	46 3 8		
		2,599 6 1	
Boyne Navigation:			
Tolls,	318 3 3		
Rents,	0 5 0		
		318 8 3	
Tyrone Navigation:			
Tolls,	245 18 3		
Rents,	48 13 6		
Amount of Parliamentary vote in aid of work,	75 0 0		
Transfer from votes, amount over-expended,	25 4 11		
		394 16 8	
Maigue Navigation:			
Tolls,	15 9 8		
Amount of Parliamentary vote in aid of work,	30 0 0		
		45 9 8	
Ulster Canal:			
Amount issued from H. M. Exchequer on account of vote of Parliament,	2,300 0 0		
Rents,	61 8 8		
Sales of Materials,	5 17 5		
		2,367 6 1	
Total Receipts, "Inland Navigation,"	—	—	5,725 6 9
5. METROPOLITAN POLICE BUILDINGS:—			
Amount received from Commissioners of Police,	—	—	5,362 15 6
6. ARBITRATION ACCOUNTS:—			
Amount received from the following Railway Companies and others, to meet expenses of Arbitration, per Act 14 & 15 Vic., c. 70, viz.:			
Downpatrick, Dundrum, and Newcastle Railway Co.,	—	30 0 0	
Dundalk and Greenore do.	—	73 12 2	
Belfast and Central do.	—	150 0 0	
Midland Great Western do.	—	12 5 4	
Dublin and Wicklow do.	—	34 0 2	
Enniskillen and Bundoran do.	—	40 0 0	
Corporation of Londonderry,	—	50 0 0	
Belfast Waterworks,	—	193 15 9	
Dublin Waterworks,	—	50 0 0	
			633 13 5
7. PIERS AND HARBOURS ACT, 9 Vic., c. 3; and 10 & 11 Vic., c. 75:—			
Issue on account of Grant, pursuant to 10 & 11 Vic., c. 75,	—	8,500 0 0	
Contributions in aid of Works, viz.:			
Spiddal Pier,	150 0 0		
Barnaderg Pier,	70 0 0		
Carrigaholt Pier,	10 0 0		
Passage East Pier,	243 6 6		
Ballycastle Pier,	50 0 0		
		523 6 6	
Carried forward,	—	9,023 6 6	28,059 11 6

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of Public Works, in the Year ended 31st March, 1868.

SERVICES—*continued.*

EXPENDITURE.	£ s. d.	£ s. d.	£ s. d.
Brought forward,	—	—	10,454 4 1
3. Wellesley Bridge:—			
Maintenance and Repairs of Works, from 1st July, 1866,	—	361 14 2	
Salaries and Incidents,	—	4 17 2	
Transfer to H. M. Exchequer,	—	300 0 0	
			666 11 4
4. Inland Navigations:—			
Shannon Navigation:			
Maintenance and Repairs of Works, &c.,	1,698 12 2		
Salaries and Incidental Expenses,	1,308 18 4		
		3,007 10 6	
Boyne Navigation:			
Maintenance and Repairs of Works, &c.,	83 3 3		
Salaries of Superintendents, Incidents, &c.,	180 15 9		
Amount paid Contractors for repairs of Lock Gates, &c.,	290 0 3		
		553 19 3	
Tyrone Navigation:			
Maintenance and Repairs of Works, &c.,	189 14 7		
Salaries of Superintendent, Collector, and Lock-Keepers, and Incidental Expenses,	182 18 9		
		372 13 4	
Maigue Navigation:			
Salary of Collector and Incidental Expenses,	34 1 0		
Transfer to votes for unexpended balance,	26 16 6		
		60 17 6	
Ulster Canal:			
Salaries and Incidents,	557 9 8		
Rates and Taxes,	39 7 8		
Labour,	1,822 7 4		
Compensation,	3 0 0		
Law Costs,	40 19 10		
Transfer to votes, for balance unexpended in the year,	38 19 8		
		2,502 4 2	
Total Expenditure, "Inland Navigation,"	—	—	6,497 4 9
5. Metropolitan Police Buildings:—			
Amount expended on Additions, Repairs, Maintenance, &c.,	—	—	4,642 17 4
6. Arbitration Accounts:—			
Sundry Railway Companies and others, for Amounts paid to Valuators, &c., per Act 14 & 15 Vic., c. 70, viz.:			
Dublin Trunk Connecting Railway Company,	—	56 1 10	
Great Southern and Western do.	—	61 8 10	
Dundalk and Greenore do.	—	123 12 2	
Belfast and Central do.	—	58 7 2	
Midland Great Western do.	—	42 5 4	
Sligo and Ballaghaderreen do.	—	0 0 9	
Dublin and Wicklow do.	—	34 0 2	
Enniskillen and Bundoran do.	—	6 15 0	
Corporation of Londonderry,	—	49 10 0	
Belfast Waterworks,	—	193 0 9	
Dublin Waterworks,	—	23 6 6	
			648 8 6
7. Piers and Harbours Act, 9 Vic., c. 3; and 10 & 11 Vic., c. 75:—			
Amount expended on the following Works, viz.:			
Howth Harbour,	427 10 11		
Lady Elizabeth's Cove Pier,	861 9 4		
Bantry Pier,	539 1 5		
Carrigaholt Pier,	916 17 6		
Kilkeel Pier,	2,947 3 1		
Spiddal Pier,	2,784 19 3		
Clifden Pier,	1,030 17 9		
Barnaderg Pier,	299 2 11		
Leenane Pier,	310 2 9		
Carried forward,	10,117 4 11	—	22,909 6 0

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AN ACCOUNT showing the RECEIPT and EXPENDITURE of the COMMISSIONERS

(A 4.)—MISCELLANEOUS

RECEIPT.	£ s. d.	£ s. d.	£ s. d.
Brought forward,	—	9,023 6 6	28,059 11 6
7. PIERS AND HARBOURS ACT—*continued.*			
Received from Public Works Loan Fund, in aid of following Works:—			
Carrigaholt Pier,	1,100 0 0		
Kilkeel Pier,	400 0 0		
Clifden Pier,	300 0 0		
Barnaderg Pier,	50 0 0		
Leenane Pier,	120 0 0		
		1,970 0 0	
Leenane Pier—for value of Plant,	5 17 6		
Lady Elizabeth's Cove Pier—relodgement,	0 6 3		
		6 3 9	
Newcastle Pier—issue from Consolidated Fund, pursuant to 16 & 17 Vic., c. 136,	—	300 0 0	
Total Receipts, "Piers and Harbours,"	—	—	11,299 10 3
8. MAYNOOTH COLLEGE:—		Nil.	
9. PHŒNIX PARK:			
Received for Grazing Rents,	—	1,346 0 6	
Sale of Deer, &c.,	—	19 16 0	
			1,365 16 6
10. SUNDRY DRAINAGE DEPOSIT ACCOUNTS, per Act 26 & 27 Vic., c. 88, &c.:—			
Received on account of Preliminary Inquiries, viz.:			
Six-mile-bridge District,		69 9 2	
Camogue do.		50 0 0	
Clodiagh do.		50 0 0	
Elphin do.		3 8 0	
Lough Oughter do.		50 0 0	
Ballybean do.		20 0 0	
Kilnastulla do.		12 9 0	
			255 6 2
11. RIVER DRAINAGE WORKS, per Act 5 & 6 Vic., c. 89, &c.:—			
Sale of Grass,	—	—	11 0 0
12. SUNDRY DRAINAGE MAINTENANCE ACCOUNTS—29 Vic. c. 49:—			
Ballinderry Drainage, Amount received on Loan,	—	—	92 13 3
13. SUNDRY ACCOUNTS:—			
Arklow Salvage Store, per Board of Trade,	—	99 15 11	
Wexford Free Bridge, Amount withdrawn out of Deposit Receipt for £1,500,	—	450 0 0	
Receipts in Suspense,	—	2 10 0	
Dividends received on Stock,	—	38 14 3	
County and City of Londonderry Deposit Account per Treasurer,	—	14 5 10	
			605 6 0
			41,689 3 8

Office of Public Works, Dublin, 1st May, 1868.

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of Public Works, in the Year ended 31st March, 1868.

SERVICES—*continued.*

EXPENDITURE.	£ s. d.	£ s. d.	£ s. d.
Brought forward,	10,117 4 11	—	22,909 6 0
7. Piers and Harbours Act—*continued.*			
Amount expended on the following Works:			
Passage East Pier,	13 1 9		
		10,130 6 8	
Newcastle Pier—for repairs per Act 16 & 17 Vic. c. 136,	—	395 8 4	
Total Expenditure, "Piers and Harbours,"	—	—	10,525 15 0
8. Maynooth College:—			
Amount paid Contractors, &c.,	—	—	50 1 9
9. Phœnix Park:—			
Transferred to H. M. Exchequer,	—	1,236 13 8	
Paid Lady Palmerston,	—	80 0 0	
Tithe-Rentcharge,	—	89 2 10	
			1,405 16 6
10. Sundry Drainage Deposit Accounts:—			
Paid for Preliminary Expenses, including refund of unexpended Balance to the following Drainage Boards:			
Parsonstown, District,	—	22 16 4	
Connell do.	—	28 3 11	
Quinagh do.	—	26 17 2	
Six-mile-bridge do.	—	69 9 2	
Camogue do.	—	32 8 0	
Clodiagh do.	—	38 0 2	
Elphin do.	—	3 8 0	
			221 2 9
11. River Drainage Works, per Act 5 & 6 Vic. c. 89, &c.:—			
Labour, Salaries, &c.,	—	—	109 14 9
12. Sundry Drainage Maintenance Accounts—29 Vic. c. 49:—			
Ballinderry Drainage—paid Contractors, &c.,	—	92 13 3	
Lough Dalla, Preliminary Expenses,	—	1 0 0	
Lough Balla, do.	—	8 3 0	
			101 16 3
13. Sundry Accounts:—			
Arklow Salvage Store: paid Contractor,	—	130 16 5	
Wexford Free Bridge, do.	—	150 0 0	
Receipts in Suspense allocated,	—	2 0 0	
Dividends on Stock paid Sundries,	—	38 14 3	
Antrim County Deposit Account, Travelling Expenses, &c.,	—	21 9 2	
			342 19 10
			35,666 12 10
Balance, carried to next Account,	—	—	6,022 10 10
			£41,689 3 8

W. B. Soady, *Accountant.*

E

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(A 5.)—Abstract of Loans made by the Commissioners of Public Works, under the Provisions of Act 1 & 2 Wm. IV., cap. 33, and subsequent Acts, classified under Counties and other general heads, and showing the Total Issues and Repayments to the 31st March, 1868.

COUNTY, &c.	PURPOSE OF LOAN.	Total issued.	REPAYMENTS. Principal.	REPAYMENTS. Interest.	Remitted.	Balance of Principal, 31st March, 1868.
		£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Antrim County,	For making and improving roads, court-houses, &c.	157,782 18 8	157,782 18 8	19,016 4 7	—	—
Armagh County,	Ditto,	2,507 10 9	2,507 10 9	564 19 10	—	—
Carlow County,	Ditto,	5,650 0 0	5,650 0 0	592 5 6	—	—
Carrickfergus, (County of the Town,)	Ditto,	4,443 10 0	4,443 10 0	689 0 4	—	—
Cavan County,	Ditto,	36,953 8 0	36,869 9 11	6,094 19 0	—	63 18 1
Clare County,	Ditto,	17,779 11 8	17,779 11 8	1,924 6 8	—	—
Cork County,	Ditto,	4,451 15 10	4,451 15 10	338 7 11	—	—
Cork, County of the City,	Ditto,	1,500 0 0	1,500 0 0	271 11 8	—	—
Donegal County,	Ditto,	17,557 5 0	17,557 5 0	1,851 7 9	—	—
Down County,	Ditto,	13,731 17 8	13,731 17 6	871 13 8	—	—
Dublin City,	Ditto,	1,211 6 8	1,211 8 8	42 11 11	—	—
Dublin County,	Ditto,	5,538 11 1	5,538 11 1	672 4 1	—	—
Fermanagh County,	Ditto,	5,050 0 0	5,050 0 0	900 14 1	—	—
Galway County,	Ditto,	31,015 7 8	31,015 7 8	1,633 7 11	—	—
Galway Town,	Ditto,	3,330 0 0	2,820 4 6	470 4 1	—	509 15 6
Kerry County,	Ditto,	78,094 9 6	76,094 9 8	8,966 8 1	—	—
Kildare County,	Ditto,	6,602 10 0	8,602 10 0	1,407 3 6	—	—
Kilkenny County,	Ditto,	29,350 0 0	29,350 0 0	3,238 9 4	—	—
King's County,	Ditto,	6,438 17 3	6,438 17 3	1,011 0 11	—	—
Leitrim County,	Ditto,	7,650 0 0	7,650 0 0	1,233 2 4	—	—
Limerick City,	Ditto,	3,931 8 8	3,931 8 8	887 1 5	—	—
Limerick County,	Ditto,	13,018 18 9	13,018 18 9	2,836 16 1	—	—
Londonderry Co.	Ditto,	1,250 0 0	1,250 0 0	304 10 9	—	—
Longford County,	Ditto,	4,400 1 4	4,400 1 4	920 8 8	—	—
Louth County,	Ditto,	9,550 0 0	9,550 0 0	1,377 18 3	—	—
Mayo County,	Ditto,	12,438 0 0	12,438 0 0	1,414 5 3	—	—
Meath County,	Ditto,	2,347 18 2	2,347 18 2	547 19 7	—	—
Queen's County,	Ditto,	7,663 0 0	766,3 0 0	605 0 2	—	—
Roscommon Co.,	Ditto,	19,784 0 0	19,784 0 0	1,316 11 9	—	—
Sligo County,	Ditto,	8,306 6 9	8,306 6 9	1,152 6 8	—	—
Tipperary County	Ditto,	9 959 5 11	9,959 5 11	760 0 1	—	—

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(A 5.)—ABSTRACT of LOANS made by the COMMISSIONERS of PUBLIC WORKS, under the Provisions of Act 1 & 2 Wm. IV., cap. 33, and subsequent Acts, classified under Counties and other general heads, and showing the Total Issues and Repayments to the 31st March, 1868—*continued.*

COUNTY, &c.	PURPOSE OF LOAN.	Total issued.	REPAYMENTS. Principal.	REPAYMENTS. Interest.	Remitted.	Balance of Principal, 31st March, 1868.
		£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Tyrone County,	For making and improving roads, court-houses, &c.	2,300 0 0	2,300 0 0	370 4 3	—	—
Waterford County,	Ditto,	2,248 14 0	2,248 14 0	122 10 0	—	—
Waterford City,	Ditto,	1,550 0 0	1,550 0 0	75 7 5	—	—
Wexford County,	Ditto,	51,155 11 0	51,155 11 0	6,372 17 10	—	—
Wicklow County,	Ditto,	7,558 1 10	7,558 1 10	1,504 2 11	—	—
Westmeath County,	Ditto,	1,065 1 8	1,065 1 8	222 12 1	—	—
	Totals,	593,165 7 8	592,571 14 1	72,380 14 2	—	593 13 7
Roads & Bridges,	For Roads, Bridges, &c.,	43,700 0 0	30,878 8 1	15,875 10 1	2,971 11 11	9,850 0 0
Sundry Harbours, Docks, &c.,	In aid of construction,	189,150 0 0	44,899 18 9	120,490 7 0	54,277 6 5	89,972 14 8
Inland Navigation,	Improving Works, &c.,	69,950 0 0	14,403 1 3	39,412 8 4	—	55,546 18 9
Public Buildings,	Erection and completion of Works, &c.,	35,000 0 0	32,716 2 1	6,822 14 2	1,633 17 11	650 0 0
Railways,	In aid of construction, &c.,	157,200 0 0	157,200 0 0	73,764 16 7	—	—
Miscellaneous,	In aid of Sundry Works,	14,550 0 0	14,550 0 0	3,043 4 8	—	—
Ecclesiastical Commissioners,	Pursuant to 6 & 7 Wm. 4, c. 108,	100,000 0 0	100,000 0 0	43,453 11 1	—	—
Piers & Harbours,	Act 9 Vic., c. 3, and 10 and 11 Vic., c. 75,	39,444 11 0	36,209 14 7	1,051 6 4	—	3,234 16 5
Exchequer Bills issued and afterwards relodged,		3,700 0 0	3,700 0 0	361 14 7	—	—
		£ 1,245,859 18 8	1,027,128 18 10	376,656 7 0	58,882 16 3	159,848 3 5
Relief Works,	Act 9 Vic., c. 1,	226,349 19 11	69,671 18 1	18,666 3 2	156,678 1 10	—
			1,492,123 7 1			
River Drainage,	Act 5 & 6 Vic., c. 89,	2,082,052 7 3	1,133,726 14 2		1,194,525 16 1	Repayable by way of Annuity.
Do.	Act 26 & 27 Vic., c. 88; Act 28 & 29 Vic., c. 52.	35,854 0 0				
River Drainage Maintenance,	Act 29 & 30 Vic., c. 59,	92 13 3				
*Maynooth College,	Additions and Improvements,	18,200 0 0	4,121 5 3		—	Do.
		£ 3,608,408 19 1	2,629,971 6 6		1,410,086 14 11	

* This Loan is to be repaid as an Annuity, by the sum of £26,026 for Principal and Interest.

Office of Public Works, Dublin, 1st May, 1868.

W. B. SOADY, *Accountant.*

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(A. 6.)—A STATEMENT of the LOANS made by the COMMISSIONERS of PUBLIC WORKS in IRELAND, showing outstanding on the

No. of Loan.	NAME OF PARTY.	PURPOSE OF LOAN.	BALANCES outstanding 31st March, 1867. Principal. £ s. d.	Interest. £ s. d.
	Act 1 & 2 Wm. IV., c. 33.			
6, 70	Limerick Navigation Company,	To improve Works,	9,668 15 0	4,208 18 11
15,80,108	Limerick Bridge Commissioners,	Constructing Bridge, Docks, and Quays,	54,277 6 5	10,491 9 11
15	Wellesley Bridge,	–	10,000 0 0	–
20, 126, 157	Galway Dock Commissioners,	Constructing Docks and Harbour,	19,322 14 10	1,416 16 3
28, 255	Newry Navigation Company,	Improving Works and Extension of Canal,	15,878 3 9	920 3 4
3	Ardglass Harbour Commissioners,	Completing Works of Harbour,	6,650 0 0	7,539 2 1
18	Athlunkard Bridge Commissioners,	Completing Works of Bridge,	9,850 0 0	4,744 9 5
212	Ulster Canal Company,	Completion of Works,	10,000 0 0	10,033 13 11
			135,647 0 0	38,744 13 10
	Act 6 & 7 Vic., c. 44.			
	Sundry Piers,	In aid of Construction,	1,755 17 1	–
255	Newry Navigation Company,	Extension of Canal,	20,000 0 0	408 5 9
882	Limerick Bridge Commissioners,	Construction of Floating Docks,	54,000 0 0	38,369 6 7
367	Rev. Thomas Barry,	Roman Catholic Chapel at Bantry,	484 8 2	30 0 0
644	Rev. James Doheny,	Roman Catholic Chapel at Dunmanway,	470 0 0	161 1 7
881	Rev. Joseph Sheahan,	Roman Catholic Chapel at Kilmacabea,	29 16 9	162 13 6
1533	County Cavan,	Road, Killyshandra to Ballinagh,	203 16 2	–
1629	Galway Town,	Repairing Road, Galway to Headford,	219 4 3	–
1630	Ditto,	Ditto, Galway to Fairhill,	146 16 0	–
1633	Ditto,	Ditto, Galway to Salthill,	560 2 1	–
1624	Maynooth College,	Additions and Improvements,	–	–
1637	Kilnastulla Drainage Board,	Drainage Works, pursuant to 26 & 27 Vic., c. 88, and 28 & 29 Vic., c. 52,	8,000 0 0	–
1638	Six-mile-bridge Do.		4,500 0 0	–
1641	Athboy River Do.		5,400 0 0	–
1642	Ballynacarrig Do.		4,000 0 0	–
1643	Silver River Do.		3,040 0 0	–
1639	Rathdowney Do.		2,300 0 0	–
1662	Connell Do.		–	–
1671	Ballinderry District,	Maintenance 29 & 30 Vic., c. 49,	–	–

Office of Public Works, Dublin, 30th April, 1868.

(A. 7.)—A STATEMENT of OUTSTANDING LOANS made by the late "COMMISSIONERS for the ISSUE of LOANS Amount of Principal and Interest due upon each on the 31st March, 1867, the Interest

No. of Loan.	NAME OF PARTY.	PURPOSE OF LOAN.	BALANCES outstanding 31st March, 1867. Principal. £ s. d.	Interest. £ s. d.
4,24,53	County Meath,	Navan Turnpike Road,	6,000 0 0	88 1 2
13, 28, 113	Commissioners of Wide Streets,	to improve Cork City,	13,700 0 0	15,168 6 7
40, 52	County Mayo,	Court-Houses at Castlebar & Ballinrobe,	225 6 5	231 6 3
43, 92	County Kilkenny,	Causeway, Thomastown, and Castleconnor Road,	208 18 7	101 1 11
61	Commissioners for Wellesley Bridge across the Shannon,		55,384 12 4	8,867 13 4
70	R. H. Maunsell,	Canal at Plassy, County Limerick,	912 19 10	758 5 6
106	Commissioners for a Bridge across the Shannon at Athlunkard,		6,000 0 0	7,929 6 3
139	Commissioners for a Bridge at Youghal,		10,000 0 0	10,685 9 2
		Total,	92,431 17 2	43,829 10 2

Office of Public Works, Dublin, 1st May, 1868.

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the Balances on the 31st March, 1867, the Issues and Repayments within the year, and the Balances 31st March, 1868.

Amount issued within the Year.	Interest charged within the Year.	REPAYMENTS. Principal.	REPAYMENTS. Interest.	BALANCES outstanding 31st March, 1868. Principal.	BALANCES outstanding 31st March, 1868. Interest.	No. of Loan.	—
£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.		
–	–	–	–	9,608 15 0	4,208 18 11	5,70	
–	–	Remitted, 54,277 6 5	Remitted, 10,491 9 11	–	–	15, 80, 108	Remitted per Act 30 & 31 Vic., c. 59.
–	434 10 5	–	600 0 0	10,000 0 0	134 10 5	15	
–	772 18 4	–	–	10,322 14 10	2,189 14 7	20, 126, 157	
–	615 2 1	–	635 2 4	15,878 3 9	300 3 1	28, 255	
–	–	–	–	6,050 0 0	7,539 2 1	3	
–	304 0 0	–	240 0 0	9,850 0 0	4,908 9 5	18	
–	–	–	–	10,000 0 0	10,083 13 11	212	
–	2,216 10 10	54,277 6 5	11,640 12 3	81,369 13 7	29,314 12 5		
Deduct remissions, . .		54,277 6 5	10,491 9 11				
Net repayments, . .		. .	£1,155 2 4				
1,970 0 0	2 9 8	491 1 3	2 9 6	3,234 15 10	–	–	
–	774 15 10	–	800 0 0	20,000 0 0	378 1 7	255	
–	–	–	1,700 0 0	54,000 0 0	36,609 8 7	882	
–	–	Remitted, 274 8 2	*30 0 0	180 0 0	–	307	*Remitted per Treasury Letter £274 8s. 2d., and £30 interest.
–	–	30 0 0	–	470 0 0	181 1 7	644	
–	–	29 16 9	+182 13 0	–	–	881	+Remitted per Treasury Letter £162 13s. 6d.
–	8 1 11	110 18 1	8 1 11	83 18 1	–	1593	
–	8 4 5	210 4 3	8 4 5	–	–	1629	
–	5 10 5	118 11 11	5 19 5	28 4 1	–	1630	
–	26 9 4	78 10 8	20 9 4	481 11 5	–	1633	
–	–	1,178 10 0	–	–	–	1824	This Loan, amounting to £18,200, is repaying on the principle of an Annuity, by the sum of £26,026. Total repayments to 31st March, 1868, £4,121 5s. 3d.
304 0 0	–	–	–	8,304 0 0	–	1637	
4,500 0 0	–	–	–	9,000 0 0	–	1638	
–	–	–	–	5,400 0 0	–	1641	
1,600 0 0	–	–	–	5,600 0 0	–	1642	
–	–	–	–	3,040 0 0	–	1643	
150 0 0	–	–	–	2,450 0 0	–	1630	
2,000 0 0	–	–	–	2,000 0 0	–	1662	
92 13 3	–	–	–	92 13 3	–	1674	
10,676 13 3	826 0 5	2,538 1 1	2,743 18 1				
Deduct remissions, . .		274 8 2	192 13 6				
Net repayments, . .		£2,263 13 11	2,551 4 7				
		£4,814 17 0					

W. B. Soady, *Accountant.*

out of the Consolidated Fund," pursuant to the Act 57 Geo. III., c. 33, and subsequent Acts; showing the since accrued, the Repayments, and the Balances outstanding on 31st March, 1868.

Interest accrued.	REPAYMENTS. Principal.	REPAYMENTS. Interest.	BALANCES outstanding 31st March, 1868. Principal.	BALANCES outstanding 31st March, 1868. Interest.	No. of Loan.	—
£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.		
180 0 0	—	180 0 0	6,000 0 0	—	4, 24, 53	
—	—	—	13,700 0 0	15,168 6 7	13, 28, 113	
—	—	—	225 6 5	231 6 3	40, 52	
—	—	—	208 18 7	101 1 11	43, 92	
—	*55,384 12 4	*8,867 13 4	—	—	61	*Remitted per Act 30 & 31 Vic., c. 53.
—	—	—	912 19 10	758 5 6	70	
—	—	—	6,000 0 0	7,929 6 3	106	
—	—	—	10,000 0 0	10,685 9 2	139	
180 0 0	55,384 12 4	9,047 13 4	37,047 4 10	34,873 15 8		
Net repayments, .	£180 0 0					

W. B. Soady, *Accountant.*

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(A 8.) ARTERIAL

SCHEDULE.—ABSTRACT of FINAL AWARDS, and Repayments

Districts.	Counties.	No. of Award.	Date when Awards made final.	Total Amount of Expenditure, for all purposes. £ s. d.	Portion of Total Expenditure charged to Counties for Public Works. £ s. d.	Portion of Total Expenditure charged on Lands. £ s. d.	Free Grants and Remissions £ s. d.
Arden,	Louth and Meath,	70	18 Sept., 1854,	22,280 5 8	1,355 5 1	9,020 12 6	11,001 [illegible]
Annagh (*Supplemental, 25th October, 1854*),	Galway,	04	29 April, 1852,	4,034 5 10	220 12 9	3,000 0 0	813 [illegible]
Blackwater,	Meath and Kildare,	1	10 March, 1849,	12,115 16 0	1,839 15 0	10,276 0 0	-
Borrisokane (*Supplemental, 5th March, 1855*),	Tipperary,	06	29 April, 1852,	10,038 17 11	520 0 0	0,500 0 0	3,000 17 11
Borris-in-Ossory,	Tipperary and Queen's,	81	27 Sept., 1854,	20,040 5 1	970 10 5	10,000 0 0	9,049 [illegible]
Boyne,	Kildare, Meath, Westmeath, and King's,	86	21 April, 1855,	50,980 11 0	5,124 18 10	22,855 12 2	29,000
Ballybay,	Roscommon,	20	1 October, 1850,	848 17 4	41 6 2	807 11 2	-
Brosna, (*Ferbane div.*)	Westmeath and King's	123	18 April, 1800,	107,057 8 8	-	39,540 0 0	68,117 [illegible]
Ballycasey (*Supplemental, 23rd February, 1855*),	Tipperary,	52	17 October, 1851,	3,805 3 2	185 13 4	3,000 0 0	619 [illegible]
Ballinhassig,	Cork,	46	16 „ „	7,844 17 1	568 8 9	7,276 8 4	-
Ballinderry,	Westmeath and King's,	13	30 April, 1850,	1,202 9 10	136 1 3	1,126 8 7	-
Ballyteige,	Wexford,	87	20 June, 1855,	43,520 15 3	58 0 0	16,808 15 0	26,660 [illegible]
Ballycowan,	Kildare,	3	10 „ 1849,	729 3 2	87 0 10	641 13 4	-
Broadlough (*Supplemental, 10th January, 1866*),	Mayo,	33	26 October, 1850,	1,241 16 9	135 15 6	900 0 0	206 1 [illegible]
Boley (*Supplemental 6th April, 1857*),	Galway,	53	17 „ 1851,	2,220 14 2	130 19 7	1,300 0 0	780 14 7
Ballinakill,	Meath,	37	26 „ 1850,	1,107 4 7	03 14 6	1,073 10 4	-
Boardsmill,	Meath,	38	26 „ „	4,191 5 3	677 19 10	6,513 5 5	-
Ballinaskea and Castlerickard,	Meath,	39	20 „ „	2,236 11 7	187 4 1	2,036 7 6	-
Balla,	Mayo,	102	6 April, 1857,	18,213 15 2	710 5 11	3,000 0 0	13,597 [illegible]
Ballynahown,	Westmeath and King's,	61	14 „ 1852,	0,892 7 3	503 17 7	0,388 0 6	-
Ballinamore and Ballyconnel, (*Navigation, Drainage, and Water-power,*)	Cavan, Fermanagh, Leitrim, and Roscommon,	120	10 January, 1860,	228,051 10 5	30,000 0 0	-	198,051 10 5
	Cavan, Fermanagh, and Leitrim,	121	6 March, „	53,723 5 7	2,268 5 1	24,413 0 0	20,293 0 6
		„	0 „ „	-	-	750 0 0	-
Burren,	Carlow and Kildare,	74	29 October, 1852,	26,079 9 11	1,083 18 0	24,305 11 2	-
Cahore (*Supplemental, 26th February, 1857*),	Wexford,	47	13 „ 1851,	4,315 14 11	45 11 6	3,250 0 0	1,020 3 5
Cappagh,	Galway,	101	27 March, 1857,	16,205 8 1	690 0 0	7,140 0 0	8,729 8 1
Camoge,	Limerick,	59	22 „ 1852,	4,437 11 9	00 17 11	4,346 13 10	-
Clonakilty,	Cork,	78	5 Sept., 1854,	11,734 5 10	33 1 3	11,702 4 7	-
Cork Slob,	Cork, County of City of,	65	20 April, 1852,	5,020 7 11	-	5,020 7 11	-
Carriggower (*Supplemental, 22nd October, 1861*),	Wicklow,	17	30 „ 1850,	6,237 8 4	102 10 7	2,344 18 0	789 19 9
Carrigans,	Donegal,	11	26 October, 1849,	2,475 7 10	141 5 3	2,334 2 7	-
Curraunboy (*Supplemental, 10th January, 1856*),	Mayo,	61	26 „ 1850,	295 5 7	20 9 4	200 0 0	68 16 3
Castlebar Lakes (*Supplemental, 7th March, 1855*),	Do.,	40	29 April, 1851	1,708 6 4	11 15 7	277 7 7	1,419 5 2
Cullmore (*Supplemental, 10th January, 1856*),	Do.,	32	20 October, 1850,	326 13 0	18 8 10	49 5 11	258 18 9
Cameloon,	Mayo,	35	26 „ 1850,	602 13 5	388 13 1	214 0 4	-
Carbury Mill-stream,	Kildare,	9	19 „ 1849,	637 10 10	34 18 3	602 12 7	-
Carrowmore Lake (*Supplemental, 31st March, 1856*),	Mayo,	19	30 April, 1850,	790 12 1	0 7 1	496 0 0	297 5 0
Clonlost,	Westmeath,	48	15 October, 1851,	2,400 14 3	209 0 5	2,197 4 10	-
Castlebernard,	King's County,	99	30 „ 1850,	22,302 9 0	06 17 7	9,800 0 0	12,408 11 11
Cavetown,	Roscommon,	07	29 April, 1852,	1,033 18 5	-	1,033 16 5	-
Curragha,	Meath and Dublin,	22	60 „ 1850,	1,264 5 9	-	1,264 5 9	-
Croghan,	Roscommon,	68	20 „ 1852,	6,540 0 6	108 0 5	3,431 11 1	-
Castlemartyr,	Cork,	83	20 October, 1854,	7,389 19 6	613 0 5	4,940 0 0	1,836 13 1
Coolaney,	Sligo,	70	29 April, 1852,	4,025 0 0	-	4,025 0 0	-
Crosslough,	Mayo,	85	6 „ 1855,	405 1 2	-	352 0 0	53 1 2

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DRAINAGE.

thereon, for the Year ending 31st March, 1868.

Area of Catchment, or Main Basin.	Area of Flooded or Injured Lands, which have been Drained or Improved. Statute Measure.	Cost per Acre of the Drainage, including Interest, &c.	Increase in the Annual Letting Value of these Lands, caused by Drainage.	Amount of Instalments payable half yearly, to repay Cost with Interest.	No. of half-yearly Instalments to repay principal and interest.	Repayments. To 31st March, 1867.	Repayments. For year ending 31st March, 1868.	Repayments. Total.	Districts.
Stat. Acres.	A. R. P.	£ s. d.	£ s. d.	£ s. d.		£ s. d.	£ s. d.	£ s. d.	
75,000	3,252 0 11	0 12 0	1,751 19 4	442 19 1	30	12,299 2 10	889 11 8	13,188 14 0	Ardee.
13,180	907 0 39	4 4 1	339 2 9	99 9 0	35	3,610 10 0	155 15 1	3,776 6 10	Annagh.
30,000	3,827 2 18	2 13 8	1,034 7 9	382 4 1	40	15,310 4 7	407 13 6	15,727 3 1	Blackwater.
20,550	1,517 0 39	6 0 4	605 19 5	153 2 1	48	6,791 19 4	305 16 19	7,097 7 2	Borrisokane.
35,840	3,624 3 27	5 5 1	1,085 18 2	365 11 2	40	10,322 13 11	646 14 2	10,969 8 1	Borris-in-Ossory.
101,139	6,779 1 18	7 18 0	1,958 15 1	745 2 8	48	23,251 12 10	1,610 7 8	24,862 0 6	Boyne.
3,300	414 3 27	1 18 11	124 0 8	Paid off.	–	1,101 13 6	–	1,101 13 6	Ballybay.
38,380	11,998 0 30	8 18 4	2,871 0 11	1,359 14 0	44	10,701 2 9	2,554 18 4	22,256 1 1	Brosna (*Ferbane div.*)
7,680	753 3 0	4 16 0	226 12 8	68 13 1	48	6,201 4 3	144 13 9	3,345 18 0	Ballycasey.
23,500	1,452 3 0	6 0 2	447 8 10	212 10 2	60	8,455 4 2	296 8 8	8,751 12 10	Ballinhassig.
1,058	311 0 38	3 12 5	112 8 6	Paid off.	32	1,629 16 2	–	1,629 19 2	Ballinderry.
20,752	2,993 0 2	14 10 6	1,186 14 3	547 19 11	48	12,802 6 11	1,054 3 0	13,856 9 11	Ballyteige.
1,000	215 2 29	2 19 8	58 17 3	23 12 2	40	879 6 1	33 18 4	913 3 5	Ballycowan.
1,000	198 3 19	5 11 3	78 19 8	Paid off.	–	1,181 1 1	–	1,181 1 1	Broadlough.
3,500	683 0 4	3 0 11	188 18 11	Paid off.	–	1,758 3 8	–	1,758 3 8	Boley.
1,350	430 3 3	2 9 10	129 16 8	Paid off.	–	1,571 10 6	–	1,571 10 6	Ballinakill.
6,850	1,428 3 12	2 0 2	428 2 1	Paid off.	–	6,619 12 3	–	5,619 12 6	Boardsmill.
3,000	738 0 20	2 15 2	205 7 11	Paid off.	–	3,158 8 7	–	3,158 8 7	Ballinasken & Castlerickard.
30,720	1,759 2 20	0 18 10	228 16 3	112 3 11	60	2,881 5 3	260 8 6	3,141 16 9	Balla.
15,000	2,032 2 26	3 2 10	602 6 8	274 2 9	32	6,508 11 0	516 11 11	0,025 2 11	Ballynahown.
101,455	–	–	–	Paid off.	–	30,000 0 0	–	30,000 0 0	Ballinamore and Ballyconnel (*Navigation, Drainage, and Water-power.*)
	6,379 1 34	3 0 8	1,748 16 10	839 9 6	44	17,784 18 0	1,296 16 0	19,081 14 0	
	3 2 0	–	–	25 15 10	–				
40,000	8,008 0 6	3 0 1	2,589 19 9	929 12 2	40	27,960 7 4	1,491 6 0	29,451 13 4	Burren.
7,000	617 1 24	6 18 4	240 6 2	38 4 7	36	3,358 13 0	72 1 8	3,426 14 8	Cahore.
34,856	2,577 3 27	6 3 1	496 4 1	232 16 8	48	5,102 14 9	595 5 8	6,758 0 5	Cappagh.
61,184	1,412 0 7	3 1 7	646 8 8	Paid off.	–	5,340 7 9	–	6,340 7 9	Camoge.
2,000	292 0 30	36 19 2	–	394 11 1	40	32 1 3	–	32 1 3	Clonakilty.
380	214 0 20	27 13 0	573 0 10	Paid off.	32	7,639 11 3	506 5 8	8,144 16 11	Cork Slob.
12,000	599 0 31	6 6 19	274 16 9	Paid off.	–	3,954 7 10	–	3,954 7 10	Carriggower.
3,330	634 2 18	3 13 6	217 8 8	85 17 6	40	3,149 8 3	161 19 2	3,311 2 5	Carrigans.
200	46 0 31	6 18 4	19 8 0	Paid off.	–	241 18 5	–	241 16 5	Curraunboy.
1,500	185 2 27	9 2 9	85 19 1	Paid off.	–	310 19 7	–	310 19 7	Castlebar Lakes.
500	57 3 6	5 6 8	21 13 6	Paid off.	–	119 8 4	–	119 8 4	Guilmore.
400	72 3 37	2 18 7	27 0 3	7 8 1	44	664 4 6	3 7 3	667 11 9	Cameloon.
1,600	196 0 29	3 1 0	44 10 9	22 3 6	40	804 9 8	44 2 0	848 11 8	Carbury Mill-stream.
800	199 2 30	8 19 2	54 18 6	Paid off.	–	649 10 7	–	649 10 7	Carrowmore Lake.
3,500	648 2 5	3 7 9	177 14 5	80 16 10	40	2,671 13 0	141 2 8	2,812 15 8	Clonlost.
38,000	2,490 3 27	8 17 8	799 1 3	337 0 0	44	7,054 15 0	660 13 2	7,716 8 2	Castlebarnard.
8,000	309 9 37	0 6 0	117 1 8	56 18 5	60	1,683 11 11	110 9 0	1,794 0 11	Cavetown.
2,500	407 3 32	3 2 0	122 6 7	54 1 6	36	1,790 9 2	87 9 4	1,877 18 6	Curragha.
3,000	847 2 1	4 1 0	277 11 6	118 14 7	44	3,650 2 8	226 6 6	3,876 8 2	Croghan.
12,960	1,114 1 5	9 1 8	383 7 4	161 1 1	48	4,605 7 10	620 4 2	4,925 12 0	Castlemartyr.
90,744	792 3 18	5 16 8	241 2 7	119 8 0	76	3,545 7 2	237 15 2	3,784 2 4	Coolaney.
300	91 0 35	4 9 0	35 17 1	12 2 1	44	291 1 4	23 6 8	314 2 0	Crosslough.

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SCHEDULE.—ABSTRACT of FINAL AWARDS, and Repayments

Districts.	Counties.	No. of Award.	Date when Awards made final.	Total Amount of Expenditure, for all purposes.	Portion of Total Expenditure charged to Counties for Public Works.	Portion of Total Expenditure charged on Lands.	Free Grants and Remissions.
				£ s. d.	£ s. d.	£ s. d.	£ s. d.
Dungolman (*Supplemental, 10th April*, 1856),	Westmeath and Longford,	72	29 Sept., 1852,	10,587 1 10	335 12 0	8,000 0 0	2,251 [illegible]
Deel,	Meath and Westmeath,	83	18 October, 1854,	20,783 12 7	2,090 17 4	13,700 0 0	4,986 [illegible]
Dunkellin,	Galway,	100	7 Sept., 1857,	42,059 12 9	826 9 7	15,340 0 0	26,793 [illegible]
Derrylin,	Fermanagh,	93	10 Dec., 1855,	787 14 6	–	300 0 0	487 14 [illegible]
Drumbomin,	Do.,	20	30 April, 1850,	333 8 9	–	333 8 9	–
Drumcliff,	Sligo and Leitrim,	69	29 „ 1852,	4,070 7 9	224 7 8	3,846 0 1	–
Dunmore,	Galway, Mayo, & Roscommon	115	20 „ 1850,	53,008 10 10	1,749 10 1	15,000 0 0	37,159 [illegible]
Dunmoran (*Supplemental, 30th September*, 1858),	Sligo,	71	29 „ 1852,	4,733 15 0	110 0 10	3,301 0 0	1,322 14 [illegible]
Derryholmes,	King's,	62	24 „ „	7,106 4 0	487 16 7	6,708 7 11	–
Ealin,	Leitrim,	60	12 „ „	11,356 6 3	577 10 2	10,778 10 1	–
Fane (*Supl., 1st July*, 1854),	Louth,	43	20 Sept., 1851,	8,155 15 0	620 3 1	6,229 12 5	1,000 0 0
Fergus,	Clare and Galway,	124	30 October, 1860,	68,010 8 8	433 1 8	24,600 0 0	42,977 7 [illegible]
Foranwell,	Kildare,	55	29 „ 1851,	3,475 1 8	67 2 7	3,467 10 1	–
Glyde { Lands, Mills,	Louth, Meath, Cavan, and Monaghan,	92	27 „ 1855,	47,800 18 10 –	2,803 0 0 –	22,000 0 0 200 0 0	22,806 1[illegible] 10 –
Gorteen,	Kildare,	4	16 June, 1849,	3,526 4 11	130 10 4	3,386 14 7	–
Garr,	Do.,	27	1 October, 1850,	3,816 12 8	385 12 6	3,431 0 2	–
Glenarriff (*Red Bay*),	Antrim,	57	30 „ 1851,	3,345 4 4	–	3,345 4 4	–
Headford,	Leitrim,	24	10 Sept., 1850,	1,010 13 0	87 10 0	923 2 0	–
Hind River { *Drainage, Navigation abandoned*,	Roscommon,	97	11 July, 1856,	21,101 13 2	1,410 10 1	10,050 0 0	9,040 17 1
Hermitage,	Kildare,	5	16 June, 1849,	280 16 1	13 5 10	273 10 3	–
Inny,	Longford and Westmeath,	118	13 October, 1850,	58,208 3 3	761 4 8	14,000 0 0	43,446 18 [illegible]
Kilmannock, (*Supplemental, 18th August*, 1854),	Waxford,	12	20 „ 1849,	9,836 13 7	–	7,830 13 7	2,006 0 0
Killimor { Lands, Mills,	Galway, Do.,	95 –	20 March, 1856,	55,040 17 10 –	2,357 1 7 –	21,000 0 0 90 0 0	31,593 16 3 –
Kilmaine (*Supplemental, 13th March*, 1855),	Mayo,	41	29 April, 1851,	10,090 10 1	243 4 11	7,000 0 0	3,747 5 [illegible]
Kilbeggan { Lands, Mills,	Westmeath and King's, Do.,	107 –	15 October, 1857,	29,050 8 7 –	– –	8,850 15 0 1,200 4 3	19,818 9 4 –
Kilbride,	Kilkenny and Tipperary,	91	6 „ 1855,	8,058 3 5	332 8 0	4,000 0 0	3,725 14 8
Kilmurry,	Meath,	6	30 July, 1849,	938 13 3	55 14 9	882 18 6	–
Kill,	Cavan,	80	17 August, 1855,	2,700 4 7	–	1,000 0 0	1,700 4 7
Kilcock,	Meath,	25	10 Sept., 1850,	1,880 3 0	17 14 0	1,801 9 5	61 0 4
Kinneen,	Fermanagh,	23	2 „ „	244 10 4	–	244 10 4	–
Kilmaganny,	Kilkenny,	30	13 „ 1855,	10,984 13 10	337 7 10	7,000 0 0	3,647 6 0
Keenagh,	Longford,	109	7 April, 1858,	10,820 0 7	230 2 8	4,460 0 0	6,140 3 11
Lough Alick (*Supplemental, 30th September*, 1858),	Mayo,	15	30 „ 1850,	4,119 19 1	122 7 11	2,000 0 0	1,997 11 2
Longford,	Longford,	113	12 „ 1850,	44,924 13 7	2,425 11 0	18,200 0 0	24,299 2 7
Lorrha (*Supplemental, 29th April*, 1857),	Tipperary,	23	8 October, 1850,	3,504 10 3	55 0 0	2,800 0 0	649 10 3
Loughnasaggart,	Meath and Westmeath,	7	6 Sept., 1849,	683 14 0	0 6 0	674 8 0	–
Lough Gara and Mantua,	Mayo, Roscommon, & Sligo,	110	28 April, 1858,	24,707 4 8	35 18 4	10,650 0 0	14,111 6 4
Loughs Oughter and Gowna, &c., { *Drainage, Navigation abandoned*,	Cavan, Leitrim, & Longford,	110	20 October, 1859,	111,171 18 0	1,312 18 7	35,075 0 0	74,784 0 [illegible]
Loughans,	Kilkenny,	80	29 Sept., 1854,	4,167 7 4	94 0 0	1,800 0 0	2,273 7 4
Lough Neagh { *Navigation, Drainage, and Water-power*,	Antrim, Armagh, Down, Londonderry, and Tyrone,	111 112 –	18 Feb., 1850, 4 April, „ –	166,174 10 4 158,505 4 0 357 17 10	37,096 12 0 8,513 14 0 Mills,	– 110,000 0 0 357 17 10	99,077 17 10 40,051 10 0 –

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thereon, for the Year ending 31st March, 1868—*continued.*

Area of Settlement or Rural Basin.	Area of Flooded or Injured Lands, which have been Drained or Improved. Statute Measure.	Cost per Acre of the Drainage, including Interest, &c.	Increase in the Annual Letting Value of these Lands, caused by Drainage	Amount of Instalments payable half-yearly, to repay Cost with Interest.	No. of half-yearly Instalments, to repay principal and interest.	Repayments. To 31st March, 1867.	Repayments. For year ending 31st March, 1868.	Repayments. Total.	Districts.
Stat. Acres.	A. R. P.	£ s. d.	£ s. d.	£ s. d.		£ s. d.	£ s. d.	£ s. d.	
28,000	2,226 0 8	4 12 1	929 1 6	Paid off.	–	10,803 15 5	15 10 9	10,870 6 2	Dungolman.
24,000	4,499 3 36	4 3 0	1,584 8 9	643 15 2	26	17,045 18 11	1,186 11 3	19,132 10 2	Deel.
38,320	5,565 0 31	7 11 5	1,094 15 0	527 10 3	44	10,762 13 11	1,025 1 11	11,787 15 10	Dunkellin.
3,000	187 0 4	4 4 3	49 9 11	13 7 11	30	289 1 8	30 8 2	310 9 10	Derrylin.
1,000	134 2 5	2 9 7	30 11 6	Paid off.	–	454 2 9	–	454 2 9	Drumbominy.
14,204	647 0 11	5 18 11	207 11 1	99 5 9	76	3,174 17 11	197 9 10	3,372 7 9	Drumcliff.
96,161	4,837 1 10	10 15 8	1,051 1 11	489 0 0	48	9,502 14 10	900 0 10	10,402 15 8	Dunmore.
5,880	881 0 35	5 4 11	282 10 4	95 17 4	33	3,455 6 7	190 10 6	3,645 17 1	Dunmoran.
22,400	5,600 1 0	1 3 11½	958 1 4	Paid off.	–	8,892 19 1	–	8,892 19 1	Derryholmes.
19,840	2,039 3 5	4 1 8	886 15 1	396 11 2	40	12,444 13 11	406 1 6	12,850 15 5	Eslin.
87,400	1,521 3 28	4 15 0	533 2 7	205 0 10	38	7,548 5 2	408 13 3	7,950 18 5	Fane.
124,400	7,961 2 20	9 3 6	1,752 9 3	845 18 10	44	12,798 8 2	1,457 0 9	14,255 8 11	Fergus.
3,800	956 1 35	3 11 3	203 1 11	125 7 8	40	3,915 6 3	244 13 8	4,159 10 11	Foranwell.
170,813	6,769 0 38 0 2 6	6 11 11 –	1,904 17 0 –	863 2 5 7 16 11	36	22,331 0 10	1,090 6 2	24,521 7 0	Glyde.
7,150	1,440 0 12	2 7 0	438 6 2	124 12 1	40	4,356 7 4	82 8 7	4,438 15 11	Gorteen.
3,600	944 0 23	3 12 8	282 10 8	126 4 8	40	4,528 9 5	260 11 11	4,789 1 4	Garr.
9,200	526 0 30	6 7 2	214 12 4	105 13 0	56	3,202 18 4	166 0 0	3,458 18 4	Glenarriff.
3,500	304 1 20	3 0 8	144 10 0	Paid off.	–	1,298 8 11	–	1,298 8 11	Headford.
16,000	2,960 2 32	0 11 3	763 8 5	360 4 8	44	9,916 15 4	598 19 4	10,518 5 8	Hind River.
600	150 1 38	1 16 5	26 13 11	10 1 3	40	382 4 1	6 10 0	388 14 1	Hermitage.
101,115	6,850 1 0	8 7 8	1,400 0 5	625 2 0	30	10,910 1 2	1,068 1 4	11,978 2 6	Inny.
8,592	509 1 12	19 0 3	702 0 1	Paid off.	–	10,343 6 1	–	10,343 6 1	Kilmannock.
40,341	6,344 3 15 1 2 0	8 0 1 –	1,509 13 1 –	722 2 11 3 1 9	44	18,220 9 7	1,002 0 2	10,828 9 9	Killimor.
16,000	1,120 3 30	9 10 3	622 12 5	185 11 10	40	8,241 16 3	277 13 9	8,519 10 0	Kilmaine.
88,030 –	5,498 2 15 15 2 4	5 0 0 –	975 0 9 –	453 0 9 36 1 8	25 –	9,904 11 4	925 12 4	10,830 3 8	Kilbeggan.
8,400	2,153 0 15	3 11 0	505 14 8	187 19 2	28	4,634 15 9	379 12 8	5,014 8 5	Kilbride.
2,000	360 1 22	2 7 3	143 10 1	32 9 8	40	1,157 8 5	51 9 0	1,208 17 11	Kilmurry.
15,000	636 3 0	4 8 0	101 6 2	33 11 1	40	879 10 4	48 16 4	928 0 8	Kill.
3,240	491 3 11	3 13 4	190 4 1	67 15 1	40	2,234 0 5	114 11 10	2,348 12 3	Kilcock.
1,000	87 3 31	2 15 7	28 2 9	Paid off.	–	333 3 10	–	333 3 10	Kinmeen.
18,000	2,821 2 0	3 15 5	499 9 5	228 4 3	48	6,478 18 10	251 17 0	6,730 13 4	Kilmaganny.
16,600	1,758 3 0	6 0 5	317 15 2	153 0 3	44	3,370 11 4	241 1 1	3,611 12 5	Keenagh.
6,064	921 2 30	2 19 10	240 16 7	Paid off.	–	2,782 4 9	–	2,782 4 9	Lough Alick.
72,320	3,972 2 20	10 13 11	1,300 7 9	625 17 2	44	13,260 0 6	1,133 5 1	14,393 5 7	Longford.
8,000	1,057 1 13	3 5 3	335 7 9	92 2 4	24	3,600 2 11	90 8 10	3,600 11 9	Lorrha.
2,500	193 1 38	3 0 9	50 11 4	20 10 3	40	828 12 9	4 9 8	833 2 5	Loughnasaggart.
128,000	4,719 2 20	5 3 11	757 5 2	366 4 8	44	6,762 7 7	697 8 3	7,459 15 10	Lough Gara and Mantua.
160,480	10,537 2 8	10 8 4	2,506 14 4	1,206 3 2	44	19,685 1 10	3,599 4 1	23,284 5 11	Loughs Oughter, Gowna, &c.
3,500	548 1 2	7 8 8	214 4 4	65 16 0	40	2,012 10 5	84 17 0	2,097 7 5	Loughans.
1111320	29597 2 32 –	5 14 0 –	– 0,870 0 8 –	Paid off. 3,782 13 5 12 6 2	– 44 44	37,009 12 0 70,432 12 4	– 7,531 7 3	37,096 12 0 77,933 19 7	Lough Neagh, *Navigation, Drainage, and Water-power.*

F

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SCHEDULE.—ABSTRACT OF FINAL AWARDS, and Repayments

Districts.	Counties.	No. of Award.	Date when Awards made final	Total Amount of Expenditure, for all purposes.	Portion of Total Expenditure charged to Counties for Public Works.	Portion of Total Expenditure charged on Lands.	Free Grants and Remissions.
				£ s. d.	£ s. d.	£ s. d.	£ s. d.
Leesborough,	Monaghan,	64	20 Dec., 1855,	6,081 8 2	247 11 5	3,000 0 0	2,833 16 9
Lough Crew,	Meath,	51	15 Oct., 1851,	2,753 19 8	157 18 6	2,596 1 2	-
Lough Dalla (*Supplemental*, 10*th October*, 1861)	Mayo,	50	29 „ „	2,836 11 9	191 1 10	2,274 0 0	371 9 1
Lavally,	Galway,	08	27 „ 1856,	15,820 8 8	379 11 8	4,250 0 0	11,196 17 [illegible]
Lough Mask and River Robe	*Navigation abandoned*,	Mayo and Galway,	108	14 Jan., 1858,	3,713 4 10	1,413 3 5	10,500 0 0	3,713 4 10
	Drainage,				93,660 11 7			51,754 8 2
Loughs Corrib, Mask, and Carra,	*Navigation, Drainage, and Mill-Power*,	County of the Town of Galway, and Counties of Galway and Mayo,	110	30 June, 1859,	102,286 16 4	14,883 0 0	–	87,400 16 4
			117	20 Sept., „	116,854 5 9	2,511 3 4	29,400 6 0	108,530 [illegible]
			122	4 April, 1860,	36,938 18 0	–	13,145 13 0	
Lisduff,	Galway,	54	18 October, 1851,	1,545 15 11	–	1,545 15 11	–
Lough Lannagh,	Mayo,	103	7 April, 1857,	18,445 7 4	1,306 0 8	4,106 6 0	13,030 [illegible]
Moyour (*Supplemental*, 12*th April*, 1855),	Do.,	30	26 October, 1850,	8,764 1 2	1,089 19 0	4,000 0 0	3,534 1 5
Mullafarry (*Supplemental*, 10*th October*, 1861),	Do.,	14	36 April, „	986 13 0	134 3 7	609 0 0	243 9 5
Miles and Templabryan,	Cork,	66	29 „ 1852,	1,392 5 3	60 15 6	1,332 9 9	–
Mullawn (*Supplemental*, 10*th January*, 1856),	Mayo,	34	26 October, 1850,	347 7 4	13 12 2	300 0 0	33 15 2
Maghera,	Down,	58	30 „ 1851,	1,367 12 1	–	1,397 12 1	–
Moyne and Crosspatrick (*Supplemental*, 10*th October*, 1861),	Mayo,	21	30 April, 1850,	702 13 9	23 1 6	466 0 0	219 12 3
Monivea,	Galway,	105	24 „ 1857,	16,896 1 1	1,328 12 11	5,092 0 6	10,575 8 2
Nobber,	Meath,	44	20 Sept., 1851,	7,634 3 4	580 17 11	7,053 5 5	–
Oranhill (*Supplemental*, 13*th February*, 1857),	Galway,	2	4 April, 1849,	3,871 16 2	190 16 2	2,650 0 0	1,031 0 0
Owenabrockagh (*Supplemental*, 13*th March*, 1855),	Mayo,	26	20 October, 1850,	3,154 5 5	90 15 11	1,500 0 0	1,563 9 [illegible]
Owenkeagh,	Cork,	16	30 April, „	1,277 7 3	70 11 5	1,206 15 8	
Quin,	Clare,	84	25 October, 1854,	20,686 5 2	1,078 18 4	14,000 0 0	5,005 6 10
Red Bog,	Meath,	8	0 Sept., 1849,	664 10 11	66 16 11	898 0 0	–
Rath, or Clooneen (*Supplemental*, 31*st March*, 1856),	Longford and Westmeath,	73	30 „ 1852,	6,071 6 4	590 8 1	4,000 0 0	1,471 18 3
Ratooragh,	Cork,	49	13 October, 1851,	928 7 11	–	928 7 11	–
Rinn and Blackriver,	Leitrim and Longford,	114	26 April, 1850,	83,756 11 1	2,276 14 3	15,000 0 0	10,479 16 10
Strokestown,	Roscommon,	66	11 July, 1856,	42,097 0 1	1,858 5 3	21,541 0 1	18,698 0 9
Shrule,	Mayo and Galway,	104	15 April, 1857,	30,573 16 3	632 0 1	7,500 0 0	22,141 10 2
Shinrone (*Supplemental* 31*st Mar.* 1856),	Lands,	King's and Tipperary,	75	26 „ 1853,	8,381 2 0	414 6 11	5,000 0 0	2,794 12 10
	Mills,	Do.,	–	–	–	–	172 0 6	–
Shandon,	Waterford,	50	13 October, 1851,	1,030 12 0	370 0 0	660 12 0	–
Shandrum,	Mayo,	18	30 April, 1850,	712 10 3	–	712 10 3	–
Sow (*Supplemental*, 23*rd March*, 1859),	Wexford,	76	26 „ 1853,	8,825 9 3	415 12 11	6,500 0 6	1,909 16 4
Shanagolden (*Award abandoned*),		–	–	3,741 8 4	227 15 5	–	3,513 12 11
Saleen Lough,	Mayo,	42	26 „ 1851,	3,079 13 11	135 18 0	2,643 15 5	–
Turloughmore,	Galway,	88	28 June, 1855,	60,832 0 1	1,126 10 2	23,000 0 0	36,705 18 11
Templemore (New award)	Lands,	Tipperary,	77	1 July, 1854,	15,608 15 5	1,098 3 2	7,500 0 0	7,030 12 [illegible]
	Mills,	Do.,	–		–	–	280 0 0	–
Tawnawoggaun (*Supplemental*, 31*st March*, 1856),	Mayo,	36	26 October, 1850,	1,334 0 10	155 12 4	1,000 0 0	178 8 6
Wilkinstown,	Meath,	10	19 „ 1840,	1,764 0 0	190 17 7	1,573 2 5	–
Wottonstown,	Louth,	45	20 Sept., 1851,	1,102 13 0	80 17 7	1,021 15 6	–
Youghal,	Cork,	100	18 Feb., 1857,	22,890 2 7	–	7,000 0 0	15,890 2 7
				2,300,612 12 4	52,180 12 8	902,833 2 10	1,335,598 16 10

Office of Public Works, Dublin, 1*st May*, 1868.

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thereon, for the Year ending 31st March, 1868—*continued.*

Area of Catchment, or Rain Basin.	Area of Flooded or Injured Lands, which have been Drained or Improved Statute Measure.	Cost per Acre of the Drainage, including Interest, &c.	Increase in the Annual Letting Value of these Lands, caused by Drainage.	Amount of Instalments payable half-yearly, to repay Cost with Interest.	No. of half yearly Instalments, to repay principal and interest.	Repayments. To 31st March, 1867.	Repayments. For year ending 31st March, 1868.	Repayments. Total.	Districts.
Sut. Area. 11,422	A. R. P. 728 2 27	£ s. d. 8 0 3	£ s. d. 221 11 0	£ s. d. 103 3 3	44	£ s. d. 2,501 5 4	£ s. d. 202 8 4	£ s. d. 2,703 13 6	Leesborough.
2,296	489 0 34	5 6 1	140 4 8	69 2 6	72	2,550 12 7	104 3 6	2,693 16 1	Lough Crew.
4,300	983 0 15	2 13 10	201 19 2	97 6 7	40	2,612 11 10	123 18 3	2,936 10 1	Lough Dalla.
23,160	1,040 2 0	7 19 2	304 9 6	146 3 0	44	3,502 7 7	255 1 9	3,757 9 4	Lavally.
225,000	5,805 0 13	10 13 5	625 10 9	302 1 3	60	7,129 15 1	610 0 0	7,740 1 7	Lough Mask & River Robe.
730,900	– 5,032 2 4 20 1 10	– 22 13 10 –	– 1,861 4 2 –	Paid off. 835 14 1 480 11 0	– 56 40	14,883 0 0 22,545 7 1	– 2,406 10 6	14,888 0 0 24,952 3 7	Loughs Corrib, Mask, and Carra, *Navigation, Drainage, & Mill Power.*
2,400	498 1 11	3 2 0	112 19 8	48 7 2	52	1,401 7 1	91 3 7	1,582 10 8	Lisduff.
21,440	1,750 2 5	9 15 0	241 13 5	117 10 0	60	3,210 10 1	318 9 10	3,534 19 11	Lough Lannagh.
6,000	1,040 3 11	7 8 5	553 8 4	98 17 3	28	6,039 10 0	190 12 10	6,227 8 10	Moyour.
2,310	326 0 15	2 12 4	117 5 1	Paid off.	–	932 3 3	–	932 3 3	Mullafarry.
10,285	259 1 26	5 2 0	64 14 2	45 15 2	44	1,433 3 11	87 0 1	1,520 10 0	Miles and Templebryan.
400	74 3 13	4 9 2	39 11 1	Paid off.	–	362 19 8	–	362 19 8	Mullawn.
16,600	303 1 22	3 11 0	147 3 5	Paid of.	32	1,807 18 7	55 16 6	1,863 15 1	Maghera.
600	96 1 32	7 0 11	50 19 10	Paid off.	–	632 14 7	–	632 14 7	Moyne and Crosspatrick.
54,000	1,481 0 0	10 11 7	305 7 4	148 9 9	60	4,242 5 1	280 10 8	4,522 15 9	Monivea.
40,000	1,357 1 3	5 3 11	586 13 2	266 8 9	40	8,768 10 8	495 14 7	9,264 5 1	Nobber.
Unknown, being in numerous limestone.	974 0 16	3 15 7	315 10 1	Paid off.	–	4,080 12 9	–	4,080 12 9	Oranhill.
6,000	379 0 35	8 1 6	224 1 6	23 9 1	26	1,868 13 4	11 2 4	1,879 15 8	Owenabrockagh
15,700	393 2 15	3 1 4	96 0 10	41 15 1	44	1,501 0 11	63 7 7	1,564 8 6	Owenkeagh.
37,120	4,305 0 20	4 8 1	1,032 15 3	456 8 0	48	12,747 16 0	802 13 7	13,550 12 1	Quin.
3,000	241 2 8	3 14 4	75 8 5	33 0 9	40	1,218 4 0	49 15 10	1,267 19 10	Red Bog.
15,000	1,157 3 35	5 4 10½	401 10 10	167 8 11	32	5,521 9 11	325 6 6	5,846 13 5	Rath, or Clooneen.
2,780	244 1 0	3 10 0	51 7 11	23 9 1	80	844 14 1	26 6 4	871 6 5	Ratooragh.
74,600	4,695 2 20	6 12 10	1,070 5 2	515 10 5	44	11,315 11 9	728 1 11	12,043 13 8	Rinn and Blackriver.
70,000	7,478 2 31	5 8 8	1,794 17 10	741 5 4	44	19,048 18 5	1,213 6 8	20,262 5 1	Strokestown.
27,000	3,207 0 5	9 4 10	443 19 10	215 15 2	60	6,571 4 1	258 17 4	6,830 1 5	Shrule.
35,840	1,288 3 7 3 1 0	6 0 11½ –	434 19 7 –	100 4 8 4 8 10	40 80	5,402 18 4	287 9 2	5,690 7 6	Shimone.
160	43 1 15	15 4 10	57 8 7	22 17 2	44	1,070 19 7	45 9 4	1,116 8 11	Shandon.
700	152 1 35	5 7 7	53 10 0	24 13 1	44	875 10 6	20 6 2	895 16 8	Shandrum.
14,000	1,983 0 10	4 4 10	609 9 5	290 10 6	44	7,474 11 10	470 13 6	7,945 5 4	Sow.
–	–	–	–	–	–	227 15 5	–	227 15 5	Shanagolden.
2,250	906 3 14	3 4 11	259 3 10	74 7 3	80	2,870 18 4	102 18 6	2,973 16 10	Saleen Lough.
212,480	8,186 3 20	7 5 7	1,605 2 9	749 16 10	48	18,486 10 8	1,518 9 1	20,004 19 9	Turloughmore.
33,000	3,304 0 21 2 2 0	4 7 3 –	1,263 5 10 –	394 17 6 12 10 0	30 „	9,970 6 6	473 6 11	10,443 13 5	Templemore.
2,200	204 1 0	4 0 1	82 10 10	33 7 3	30	1,370 4 10	26 13 0	1,396 17 10	Tawnawoggaun.
10,000	790 2 37	2 4 10	217 16 8	57 17 0	40	2,182 17 11	107 15 8	2,290 13 5	Wilkinstown.
6,300	316 1 17	3 4 7	96 15 8	40 6 0	40	1,329 18 0	89 9 4	1,419 7 4	Wottonstown.
1,547	224 0 0	101 13 7	500 0 0	Paid off.	–	6,157 19 7	–	8,157 19 7	Youghal.
3,356,358	266,786 2 4	Average, 6 11 4	74,502 7 2			866,443 13 8	53,866 6 11	920,110 3 7	

W. B. Soady, *Accountant.*

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APPENDIX B.

Landed Property Improvement.

Inspectors' Annual Reports.

APPENDIX B.

LANDED PROPERTY IMPROVEMENT.—INSPECTORS' ANNUAL REPORTS, 1867-8.

Counties of Fermanagh, Cavan, Leitrim, and Donegal, with portions of Tyrone, Sligo, Mayo, &c.

In the above district of the north-west and west of Ireland there has not been much increase in the demand for Land Improvement Loans, but those proprietors who have had works in hand have been well satisfied with the results of their outlay. Referring to works in progress, or recently concluded, and commencing northwards, I may mention as examples of satisfactory execution the drainage of the Wardtown estate, county Donegal, belonging to Trinity College. This is under the superintendence of Mr. John Brooks, Assistant County Surveyor for the county Leitrim, and presents an excellent sample of tile drainage; and being near the town of Ballyshannon, was viewed by many competent judges, and was of use as an example of results on a grass farm without breaking up, for the condition of the cattle is so improved as to be commented on at the fairs. The tiles came from Florencecourt, and are of excellent quality. Mr. W. J. Foster, in the same county, has proceeded slowly with his drainage with broken stones, and Mr. S. M. Greer, in Derry, with tiles. In Tyrone, Captain Mann and Mr. T. S. Irwin have proceeded with both drainage and building to their satisfaction, and Dr. MacIvor with some roughly executed but effective stone drainage, similar to what succeeded with his land in former years. In Fermanagh, Mr. F. Graham's drainage has been finished on a large grass farm without breaking up, and he is satisfied as well as his agent (an experienced grazier) that the condition of his cattle is improved, and is satisfied with the result of his outlay, which was under the care of Mr. J. Brennan as contractor. Mr John Collum, in the same county, obtained a loan of £2,000, and has employed Mr. Patrick Costello, of Drogheda (partner and successor to the late Mr. J. Brennan), to drain some large grass farms for him. Mr. Costello contracts in a manner to take all trouble off a proprietor's hands, lays out the drains, or fences, or roads, &c., carefully and well, brings a staff of experienced men to the ground, employs also as many as will work from the neighbourhood, and engages to complete everything to the satisfaction of the owner and agent and the Board's Inspector. He has already worked thus in twelve or more counties, and I have had the best accounts of his system from various quarters, in addition to what I have inspected myself; and I think it very desirable to make known the facilities thus afforded to proprietors who may not have skilled permanent stewards, and are therefore often deterred from undertaking work. It is also of immense advantage in some cases to be able to get particular pieces of work done very speedily, and Mr. Costello engages to collect a hundred men, or as many as may be required, on the shortest notice, and finish a special piece of work within a given time—in fact, carrying out in the best and most business-like manner for rural estates the system of contract work so well known on railways.

In Cavan, Lord Farnham has proceeded with his new cottages, and Lord Headfort and Mr. O'Brien with drainage. In Leitrim, Mr. Montgomery and Colonel Wbyte with drainage, and Mr. Arthur Loftus Tottenham with farm offices, and Mr. Wilkins finished a small piece of drainage very well. Mr. William R. La Touche commenced some in the same county; also the Rev. James Godley and Lord Albemarle. In Sligo, Mr. Charles Tottenham finished some drainage and some excellent walls for shelter—a particularly good work where there are no trees along the sea-coast, and the stock suffer from the cold winds. Mr. R. G. Brinkley, in the same part of Sligo, has benefited largely by similar walls built under loans from the Board.

The above list of loans reported on, in this extensive district, shows how few are now availing themselves of the money placed at the disposal of proprietors of land on terms which are admitted to be easy and liberal, and for purposes which those who improved their estates twenty years ago, as well as those who are at work now, tell me are eminently satisfactory and reproductive.

I think, however, there is a greater disposition to build and plant than formerly existed, and as the provisions of the Acts for these purposes become more generally known there will be an advance in that direction, for the terms on which the loans are granted, viz., 5 per cent. for 35 years, are admitted to be liberal and satisfactory; but it is surprising to find how many country gentlemen have been quite unaware of the additional facilities latterly given by the Treasury until informed of them by accidental conversation with an Inspector, and many tell me they would have been glad to avail themselves of loans for building, fencing, and planting had they known of the terms, and many propose now to add to what they have already done from private resources, although it is more difficult to procure good builders in the country parts, and prices of materials and work are higher.

It may be useful to mention that the builders and architects whom I have consulted in various parts of Ireland have all, without exception, stated that cottages for labourers, with the usual modern requirements of three sleeping-rooms, a kitchen of about 14 feet by 12, small enclosed yard with privy and ashpit, &c., cannot be built for less than £80 to £90 in situations that afford average facilities for obtaining materials and workmen, and I know of several cases where the contractor gained no profit by undertaking them at the price, and some who have lost money by them rather than lose the custom of the neighbourhood or disoblige an old employer. I am corroborated in this view by the observations made to me by those connected with the examination of no less than eighty designs sent in to the Royal Agricultural Society in competition for the Lord Lieutenant's prize. I make this remark without reference to the final decision of the judges, which has not yet been made, but as agreeing with the opinion most frequently expressed to me by practical persons from their own experience. One very competent and trustworthy architect, whose business lies chiefly in the North-west, told me that the nearest approach to a fair general estimate he could make for the cost of such cottages would be £90 each in average situations.

The benefits of drainage are now so well understood and so generally recognised that it is hardly necessary to dwell on them, as it was in the earlier reports furnished to the Board fifteen and twenty years ago, when the subject was in many parts of Ireland quite looked on as an experiment; and in the present report I touch more particularly on building, fencing, and planting, which are so much needed through a great part of the country; and I make every effort to draw the attention of the proprietors I meet to the great facilities granted by the Board for these improvements.

The standard of living is now so much raised throughout the greater part of Ireland, as illustrated by the immensely increased consumption of meat and bread, tea, coffee, and sugar, and the improved dress of both men and women, that better dwelling-houses must follow; and, as I mentioned in my report for 1866, the furniture of rooms over shops in small country towns is so much changed of late years (owing principally, I believe, to the exertions of commercial travellers, who circulate in such numbers since transit has been made easy), that the taste spreads to the younger farmers' families. Prices have been good, rents well paid, and I believe both tenant farmers and proprietors are now more willing than at any former period to try for better dwelling-houses, and to join in the effort to obtain them. The standard of education has been so raised by the National schools in the rural districts that all the

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younger portion of the farming classes, from the age of thirty downwards, have new habits of life, compared with their parents, and it would be a great mistake to judge them by old rules: and I believe that they all desire better dwellings, and that once the movement has fairly advanced (of which I already see the first commencements), it will receive a large impetus from the Board of Works' loans at 5 per cent, and that the progress to improved and better kept houses will be as rapid as that made in dress, food, education, and habits of life, which have all been so remarkably changed in the last twenty years. Having now enumerated the principal items of improvement hitherto carried out under the provisions of the Land Improvement Acts, I have only further to report on the subject of plantation, and to mention that the first application for planting in this district has been sent in by His Excellency the Lord Lieutenant for his county Tyrone estate, which has been so much improved in various ways during the last twenty years as to attract a great deal of notice in the North; and as the example of his plantations, which have already greatly sheltered and improved the hill-side pastures near the well known mountains called "Bessy Bell" and "Mary Grey," is a conspicuous one, it may be considered desirable by the Board that I should give some details on the subject for general reference and information, as this is the first year that it enters into a report for the Commissioners.

The improved value of pasture-ground in cold, elevated districts, consequent upon the shelter obtained by judicious planting in large bulks, has been extensively proved in Scotland, where the operation is now quite a familiar one, although the first introduction of the larch by the Duke of Athol only took place in the last century, but the additional value of the thinnings of the trees at a comparatively early age is not to be overlooked, and it seems that the demand for larch of about thirty years' growth is so great that it can never be fully supplied, and I constantly meet agents in pursuit of it in various parts of Ireland, who are ready to buy any amount that can be obtained within a reasonable distance of railway carriage.

There are now two saw-mills in Sligo belonging to Englishmen, and one takes all the larch that Mr. Brinkley can give of 4½ inches at top and pays him 12s. per ton, although about six miles from a railway station, and has one contract for sixty miles of larch fencing in England, as well as plenty of other business.

Last year a buyer from the south of Ireland agreed to take all the larch that he could get from Mr. Godley's estate in the county Leitrim, though nine Irish miles distant from a railway station. The thirty-five years' term for repayment of the loans for planting may be therefore considered a fair and judicious one. With regard to cost and return in planting, I may mention a calculation made by Mr. Low, Professor of Agriculture in the University of Edinburgh, whom I have heard lecture there. Professor Low stated that land in Scotland worth 5s. per acre might be assumed to be planted and enclosed at an expense of £5 per acre, statute, and that at the end of sixty years it would be worth £180 for even the least valuable kind of wood, and at a low price, and that there was no doubt of its being a profitable investment on poor cold lands merely for the sale of timber; and this was prior to the modern demand for younger growth and the greater facilities of sale and transport.

Professor Low says that the thinning of plantations should be commenced in four or five years after the plantation is formed; and the best practical rule that can be given and observed is, that the trees shall never be so close together as that their horizontal branches shall cross one another, and by the end of twenty, or at most twenty-five, years, all the supernumerary larch trees in a plantation should be cleared away and not more than 300 to the acre be left. These may be convenient memoranda for those who are not practically familiar with planting on a large scale, and I would add one more, in consequence of the unsatisfactory results often observed from planting in narrow belts, that it is only by a considerable extent of boldly laid out, wide, and deep plantation in large bulks that the warmth of the pasture-grounds in cold, elevated districts can be increased.

WM. P. PRENDERGAST.

March 28th, 1868.

Counties of Carlow, Queen's, King's, Kilkenny, and Wexford.

Ashfield Hall, Carlow,
17th February, 1868.

I have been employed as an Inspector of Land Improvements for a period of twenty-one years, and cannot add anything to the many very favourable reports I have made regarding the working of the Act, and the satisfactory results during that time.

I have had to report on but one case under 29 & 30 Vic., cap. 40, for the erection or improvement of farm dwellings, viz., Mr. William Kennedy's, at Ballinakillon, in the county of Wexford.

It is to be hoped that proprietors will take advantage of the provisions of that Act, when the state of the country becomes more settled.

Herewith I send a letter from R. G. Cosby, esq., who has borrowed largely under the Act, and expresses himself as other proprietors have repeatedly done, together with the report of the Royal Agricultural Society's judges, made in June, 1867. These are, I think, the best proofs I can give regarding the usefulness of the Act.

J. FISHBOURNE.

"Stradbally Hall, Queen's County,
"June 7th, 1867.

"MY DEAR SIR,—You will, I am sure, be glad to hear that the provincial gold medal and the Hall challenge cup for the largest quantity of drainage have been awarded to me by the Royal Agricultural Society for the drainage done on Timahoe.

"The judges, I hear, highly approved of the works done, and stated 'it was as near perfection as possible.'

"It is certainly a great thing for Ireland that proprietors can obtain money on such accommodating terms from Government, and I have at all times found in every transaction I have had with the Board of Works that the matters were arranged most expeditiously and satisfactorily. I hope to thorough-drain every part of my property that requires it under the Board of Works, as I am fully satisfied no money can be better invested.

"Believe me, yours faithfully,

"ROBERT G. COSBY.

"J. Fishbourne, esq."

County of Longford and part of Westmeath.

In the early part of the year 1867 the Hon. L. H. King Harman obtained a loan, under 29 & 30 Vic., for £15,000, to improve his extensive estates in *all* the baronies of the county of Longford, and one townland (Cloncullen) in the county of Westmeath. I visited all the townlands (thirty-nine in number), and found that the works were judiciously laid out, and that the execution would be a great benefit to the property. The works consist of main and thorough drainage, farm fencing, levelling, and farm road making; but the improvement of "farm dwellings or planting for shelter" are not included amongst the works. Since then I have inspected the progress of the works at Cloncullen and Creevighmore, and found the works extremely well executed. I also made progress inspection on Aghagah, Crott, and Smear, and found the main drain very well executed. Visited the townlands of Keel Mountain, Forthill, Curmegloon, Derryglosh, and Derrygowna, where the work was satisfactorily executed. Inspected the progress of the works at H. Dopping's, esq., of Ene Head, and found all the works satisfactorily executed. Also inspected the progress of the works on the property of the Right Hon. the Earl of Longford at Pakenham

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Hall, in the county Westmeath where I found the works very well executed. Visited Aghaguagh, the property of James Tyrrell, esq., to make progress inspection, and found all the thorough drainage very well executed. Inspected the progress of the works at Tullybawn, the property of John E. Thompson, esq., and found the work completed, and all executed in a satisfactory manner. Visited the townland of Baskin High, in the county Westmeath, the property of the trustees of Montgomery, a minor, and found the thorough drainage, which is executed entirely with pipe tiles, very well done. Visited Portlick Castle, in the county of Westmeath, the property of Robert R. Smyth, esq., to make preliminary inspection, and laid out the works, but am of opinion that the sum allocated (£200) will not be sufficient to complete them. Visited Whinning, also the property of Robert R. Smyth, esq., and laid out the necessary work, for which a sum of £350 has been allocated. Also visited the property of William Fortescue Armstrong, esq., in the county of Longford; Clonbearla, Bawn Mountain, Aghalust, Gorteenloon, where I laid out the works, which I trust will prove satisfactory. The sum allocated is £750.

Visited the townland of Newpass, the property of William F. Whitney, esq., in the county Westmeath, and laid out the works there. I am of opinion that they will be found very beneficial. The sum allocated is £250.

On the whole, the progress of the works has been executed in a very creditable manner, and has entailed lasting benefits to the several properties.

It has been a source of great pleasure to me to find all the works under my inspection so very well executed, and I may mention particularly the extensive works on the property of the Hon. L. H. King Harman, under the careful supervision of Mr. Thomas Robinson.

HENRY M. BOND.

February 17, 1868.

County of Tipperary, and part of Galway.

Riverston, Nenagh,
February 28, 1868.

I have the honour to submit my report on the operation of the Land Improvement Act for the past year, and for so much of the current year as has elapsed, in this district, with which I have been for more than twenty-one years connected.

My duties have been nearly evenly divided between preliminary examination and inspections of works in progress. This I had some reason to expect, from the increased facilities afforded to proprietors, and also from their experience of the benefits conferred either on themselves or on those in their neighbourhood from the expenditure of former loans.

I have reported during the last year on seven applications for loans; and though reducing the amount sought for, and making alterations in the plans and estimates, still I had not to object to any application made. Five of these cases were for main and thorough drainage, one for the making of a new road to open up a considerable extent of hill and mountain land, and one for adding to a farm dwelling-house, under the Act 29 & 30 Vic., cap. 40, and which is still under consideration. There has not been any application for loan to enclose ground for planting for shelter, nor do I think it likely that there will be, in this district.

I visited in twelve cases where works were either progressing or had been completed, and with the exception of one or two cases (in the county of Galway) have been very well pleased with the works executed. I should also remark that in Galway I have found some works very well executed. In the other counties, I have not had any reason to find fault for some years past, the proprietors readily adopting any suggestions I may have found necessary to offer, and the stewards and men carrying them out cheerfully.

I have increased the prices for all kinds of work, owing to the difficulty of procuring labourers which exists in the rural districts, and also from the advanced price of provisions, the labourers having chiefly congregated into towns, owing to the difficulty of obtaining houses in the country.

Some—but I regret to say, little progress has been made in arterial drainage; much more is needed; in fact, this is the first and most important requirement of almost every part of Ireland.

On the estate of Mr. R. Cole Bowen, in Upper Ormond, and on that of Captain Power Lalor, in Owney and Arra, works of considerable extent are either in progress or will be immediately commenced. The same applies to the estate of Mrs. Shaw, near Clonmel, in the south riding, and to some properties in Clare and Galway.

I have impressed on proprietors the necessity of their proceeding vigorously with the works *when* commenced, as they will thereby have the works better executed, and at a more moderate cost.

JAMES J. POE.

County of Roscommon, parts of Mayo, Sligo, and Galway, and occasionally employed in the eastern Counties.

29, Westland-row,
22 February, 1868.

In reply to letter of the 14th inst., asking for my annual report on the working of the Land Improvement Act during the past twelve months in those counties in which I have the honour to inspect for the Board of Public Works, I beg leave to submit the following statement of facts bearing on the subject referred to.

Although I hear frequent complaints of the increasing scarcity of competent labourers, and of the absolute impossibility of getting them to work for what, but a few years since, they considered ample remuneration, I have great pleasure in assuring the Board that since I have had the opportunity of witnessing the working of the Land Improvement Act in Ireland, I cannot call to mind a single year during which a greater quantity or a better quality of work has come under my notice than that through which we have just passed.

In the western district, with which, of course, I am best acquainted, I have several times during the year 1867 had the honour of making preliminary inspections and of preparing plans and specifications, &c., for proprietors, who have since availed themselves of the facilities afforded by the Act for the improvement of landed property. Amongst those who have thus benefited both themselves and their tenantry are: in the county Roscommon, Mr. H. S. Pakenham Mahon; in Mayo, Mr. George Ormo Malley and Mr. R. Staples; and in Sligo, Mr. J. Wingfield Stratford and the Messrs. Brett, of Tobercurry. In each one of these cases, with the exception of that last named, the memorials of the proprietors have included applications for loans to defray the cost of erecting farm buildings and labourers' dwellings, as well as for loans for drainage and other purposes. In the first-named case, viz., that of Mr. H. S. Pakenham Mahon, the memorialist applied for money to plant over forty acres of unprofitable land, which he thus looks forward to converting into a valuable shelter for the live stock on his estate. Mr. George Ormo Malley has been granted a loan for the improving of farm dwelling-houses, as well as for new buildings, while both he, Mr. Staples, and Mr. Wingfield Stratford intend, by a judicious arrangement of farm fences, to materially improve and increase in value some large undivided tracts of, for the most part, good arable land which exist upon their estates.

Besides those works above referred to, many extensive and valuable improvements are to be found in progress in each and all of the western counties. In the county of Roscommon, for instance, the admirable farm buildings of Lord Crofton, at Knockroghery, and those of Captain G. W. Drought, some two or three miles from the town of Roscommon, I consider to be well worthy of note. Then again, in the same county some excellent draining and fencing works are being carried on on the estates of the following proprietors,

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viz., Lord De Freyne, Lady Jane Johnson, Messrs. P. H. O'Connor, W. R. Tredennick, J. W. Flanagan, W. D. Kelly, J. H. Dillon, C. T. M'Causland, and Captain P. Balfe. In the county of Mayo some valuable improvements of a similar nature and of equal merit to those last named are to be found on the lands of Mr. N. M. Handy and of Captain L. G. Jones, while in the county Sligo are situated the well-planned and effective works of Sir Malby Crofton, bart., of Mr. Burton Irwin, and of the Sisters of Charity at Banada (Helena M'Carthy and others). In Galway—the remaining county of the western district—some good and substantial improvements are in progress on the estates of Mr. Daniel O'Connell Ffrench and Mr. John Lloyd Bagot, which are both situated in the barony of Ballymoe—the only division of the county in which it is my privilege to inspect.

In the "home district," or eastern counties of Leinster, I have had the opportunity during the last few months of inspecting many first-class and valuable improvements, both in draining and building, which, for the most part, could not be surpassed for the style and excellent finish of the work. In the county of Dublin some expensive but most valuable drainage works are in progress on the estate of the Hon. St. John Butler, at Walshestown, while some equally good open main and thorough drainage has been completed at Coldblow, near Lucan, by the representative of the late James Brennan. In Meath, Mr. W. L. Naper has been granted a loan for improvements and alterations to a dwelling-house, which are being well and substantially carried out. In Louth I found some good and commodious labourers' dwellings in course of erection on the estate of Mr. W. D. Dunlop, at Monasterboice, and some valuable and effective drainage executed by the Messrs. Supple, of Dunleer. In that portion of the county Wicklow which adjoins Kildare, some extensive drainage works are in progress on the estates of Mr. George T. Hanks and Mr. Edward Hornidge.

RICHARD I. J. IRWIN.

County of Galway and part of Mayo.

In compliance with your instructions, I beg to submit the following report on the working of the Land Improvement Acts in my district during the past year.

Among the works executed, and deserving special notice, are those at Cloonhouiff, near Claremorris, in the county of Mayo, where a considerable extent of land has been drained by Captain Sheffield in a very effective manner. He originally wished to carry out this drainage on the shallow system, but during the progress of the work he has seen and now admits the advantage of the deep drainage which has been adopted.

At Caherroyne, near Athenry, Mr. Thomas R. Roche has executed some extensive improvements in drainage, fencing, reclamation, and subsoiling.

At Danesfield, near Moycullen, Mr. George E. Burke has cleared and reclaimed some clay lands, which were so covered with stones and brushwood they were of little value, but would now let at 30s. a statute acre.

Works of main and thorough drainage have been executed by Mr. W. Burke at Kilcrovanty, near Tuam; by Mr. John W. Maunsell at Springlawn, near Mount Bellew; by Mr. Thomas M'Dermott at Carrowreagh, near Dunmore; and by Mr. Ryan at Poppyhill, near Aughrim.

All these improvements have been carried out in a very workmanlike manner, and in every case a direct increase in value of the land has been realized fully to the extent anticipated.

It is satisfactory to state that a very great improvement is apparent in the manner in which the works are performed, both in setting them out and in the neatness with which they are executed, which no doubt arises from the increased experience obtained of such work.

Farm offices have been built by Mr. John J. Lopdell at Raheen, Athenry, and those in progress at Oughterard by Mr. E. O'Flaherty have been completed.

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I have reported on a loan for the execution of extensive improvements on the property of the National Building and Land Investment Company on their property in the county of Mayo, near Ballinrobe, which works are now in progress, and I have lately prepared plans, specifications, and estimates to accompany memorials for a large number of new works, embracing drainage improvements, and also the erection of farm offices and labourers' dwellings. The latter class of works will, I expect, lead to much improvement in the social condition of the labourers in this county, and I anticipate that the facilities which the Acts afford for making such improvements will be largely taken advantage of in this district.

I am, sir, your obedient servant,

SAM. U. ROBERTS,

Inspector.

The Secretary,
Office of Public Works,
Dublin.

County of Limerick.

Ballyneale, Ballingarry,
March 25th, 1868.

In accordance with the Board's desire that I should furnish as usual an annual report on the operations under the above Acts, within my district or direction, for the year ending 1867, I beg to lay before you a short statement exhibiting the facts within my personal knowledge, together with a few of the many approving communications which I have received on this subject, by which possibly some more satisfactory acknowledgment of results may be obtained than from any expression of my own opinions.

Within the period referred to, viz.:—from January 1st, 1867, to January 1st, 1868, I have made inspections and reports on the progress of works under sanctioned loans amounting to nearly £20,000, and furnished certified bills for completed works to an amount exceeding £5,000. These sums have been spread over properties belonging to the following proprietors, viz.:—

For land improvements in cases of—The Earl of Dunraven, the guardians of Lord Monteagle, Colonel Monsell, M.P.; Edward William O'Brien, esq.; Sir Capel Molyneux, bart.; John Bateson, esq.; Edward Taylor Massy, esq.; John Southwell Browne, esq.; Hugh Massy, esq.; John C. Delmege, esq.; Henry T. Synan, esq.; Francis J. Green, esq.; Charles P. Roche, esq.; John S. Dwyre, esq.; Thomas D. A. Evans, esq.; Rev. T. W. Peile, and Rev. Richard Gibbings;

For farm buildings in cases of—The Earl of Dunraven, Colonel Monsell, M.P., and Hugh Massy, esq;

And for labourers' dwellings—The guardians of Lord Monteagle, this being the only case, under the latter head, with which I have had to deal during the time referred to.

Within the same period I have prepared preliminary plans, specifications, and estimates, to accompany memorials for twelve new loans, aggregating nearly £9,000, the proprietors being, viz.:—

For land improvements—Daniel Fitzgerald Gabbett, esq.; Colonel Monsell, M.P.; Sir Capel Molyneux, bart.; Thomas B. Herrick, esq.; John S. Browne, esq.; Edward T. Massy, esq.; John C. Delmego, esq.; Henry T. Synan, esq.; Captain Boyce, and Captain William Cox.

For farm buildings—Daniel Fitzgerald Gabbett, esq.; Thomas B. L. Stewart, esq.; and John C. Delmege, esq.

As regards the land improvement works, I can confidently repeat my belief in their usefulness and value in every instance where ordinary care is taken of them by attention, which I have often urged, to the open main drains, keeping them free from silt, weeds, and slips, without which attention it is obvious that no drainages

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can continue effective: and I am able to testify that notwithstanding the large increase in the rate of labourers' wages, which has as a rule obtained all through the country lately (and which I am glad to witness), I still find that under judicious supervision, there are only rare instances of where works of this class cannot be effected at from £5 to £5 5s. per acre, this very much owing to the employment of practised and skilled hands.

I have great pleasure in specially noticing the improvements lately made, and those still in active progress on the estates of Lord Dunraven; they in extent and variety much exceed any similar works within my supervision. Next to those, in extent and usefulness, are operations of a like nature on the estates of Edward William O'Brien, esq., who is availing himself successfully of the provisions of the Land Improvement Acts.

JOHN COX.

County of Kerry and part of County Cork.

Tralee, 19 February, 1868.

In obedience to your instructions of the 4th inst., I have to report generally on the working of the Land Improvement Acts in my district, from the 31st December, 1866, to this date, for the information of your Board.

There has been more work accounted for in Kerry than I expected would have been finished in 1867, and progress reports have been made discharging £3,390 6s. 4d. for land works, and £1,590 0s. 9d. for farm buildings and labourers' houses, on my inspections between the dates above mentioned, being over double the sum accounted for in 1866.

Mr. Samuel M. Hussey, Mr. Thomas Sandes, and the Knight of Kerry have got loans for the erection of tenants' farm dwelling-houses in Kerry, and Sir George Colthurst in Cork county, but I have not met any case of proposed *improvement* of farm dwelling-houses. One case of loan under the Act of 1866, for planting for shelter, has been reported on by me yesterday, viz., for 4¾ acres of land at Tullig, near Killarney.

I have made inspection in cases of four small land improvement loans in East Carbery, West Muskerry, and Duhallow, which, with Sir George Colthurst's building works at Blarney and Rathcool, amounting to £1,500, make my returns for county Cork amount to £1,638.

There has been no inspection on the largest of Kerry loans outstanding since 1866, viz., Lord Castlerosse's £8,000 land improvement loan, and his outstanding building loan has not been acted on, leaving second £500 moiety in abeyance.

Many of the borrowers complain of the difficulty of getting labourers at any price, but especially of the impossibility of getting return of work equal to what was easily got two or three years ago, when the estimates were made. I believe these difficulties are tending very much to increase the disposition on the part of owners to borrow for building labourers' houses, the great majority being fully persuaded now that emigration has gone too far, but that conviction comes too late.

However, the increase of returns is encouraging, and, notwithstanding those difficulties, I meet no one to say that at the late prices allowed there is any doubt of the profitable result of the works, and as far as they have progressed they have been most satisfactory to all parties.

I am much afraid that the good to be expected from building labourers' dwellings will be greatly diminished by excessive estimates and the erection of houses that *will not pay*. I beg leave therefore to suggest that a maximum of £40 be laid down as a rule or standing order for the estimate of one house in pairs or rows of more than two. Such a house may be set for £3 a year with profit, but at a higher rent the great bulk of our Munster labourers would prefer the cheap hovel and its miseries.

There can be no doubt that the maximum estimates proposed by the Royal Agricultural Society in awarding prizes for plans of such buildings are too high, and it is to be feared that they will be taken as the best guides and authority on the subject, thereby leading owners to look on such improvements as quite unprofitable.

Nothing can be more important as a land improvement than planting trees, particularly in such a county as Kerry. But, as to maximum estimates, I would also suggest that excessive rates per acre will be deterrent in like manner as for buildings. I have heard of no other application for a planting loan but the one I have alluded to. I have seen a great deal of disappointment and loss from planting wet land; I would therefore recommend that careful inquiry should be made as to the description of soil to be planted before the loan is made. All the fir tribes are the most profitable plants; but when I see the oak woods of Killarney now standing where larch, and Scotch fir, and spruce have been all cut away during the last forty or fifty years, *paying better than the best land* during that period, I think that every plantation should have a sprinkling of oak and ash trees.

HENRY STOKES.

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APPENDIX C.

Landed Property Improvement Loans.

LANDED PROPERTY IMPROVEMENT ACTS, 10th Vic., chap. 32, &c.

SCHEDULE—Showing the Loans in progress, the Amount sanctioned and issued by Instalments, with the Date of the last Order to Issue, to 31st March, 1868.

NORTHERN DISTRICT.

County.	Barony.	Applicant.	Amount sanctioned £ s. d.	Amount issued. £ s. d.	No. of Instalments issued.	Date of last Order to Issue.
ANTRIM,	Antrim, Upper,	Thomas Greg,	300 0 0	60 0 0	1	7 Feb., 1866.
	Belfast, Upper,	The Marquis of Donegall,	750 0 0	450 0 0	3	23 Sept., 1867.
	Dunluce, Upper,	Richard W. Magennis,	350 0 0	280 0 0	4	26 July, 1866.
	Kilconway,	Thomas Greg,	150 0 0	80 0 0	1	16 Feb., "
	Massareene, Upper,	The Rev. A. Pakenham,	1,400 0 0	560 0 0	2	13 June, 1867.
LONDONDERRY,	Liberties of Coleraine,	Griffin C. Galt,	300 0 0	240 0 0	4	22 May, 1867.
	Keenaught,	Dorothea Ellen Field, and others,	800 0 0	160 0 0	1	31 Oct., 1867.
		Mary Alexander, and others,	1,000 0 0	200 0 0	1	20 Dec., 1867.
	Loughinsholin,	William F. Conyngham,	1,600 0 0	960 0 0	3	7 Mar., 1865.
DONEGAL,	Inishowen,	William J. Foster,	250 0 0	100 0 0	2	23 Oct., 1866.
FERMANAGH,	Clanawley,	John Collum,	3,000 0 0	1,000 0 0	2	21 Jan., 1868.
	Lurg,	H. M. D'Arcy Irvine,	1,400 0 0	740 0 0	3	11 May, 1865.
		The Rev. C. M. Stack,	250 0 0	200 0 0	4	4 June, 1867.
		John G. Irvine,	250 0 0	150 0 0	3	11 Jan., 1865.
		Ditto,	1,250 0 0	500 0 0	2	3 June, 1867.
	Magherastephana,	Sir Victor Brooke,	2,400 0 0	960 0 0	2	5 Sept., 1866.
TYRONE,	Clogher,	Deane Mann,	200 0 0	120 0 0	3	8 Feb., 1868.
	Dungannon,	Thomas S. Irwin,	300 0 0	210 0 0	4	11 Nov., 1867.
	Omagh,	J. T. H. Stewart,	500 0 0	100 0 0	1	22 April, 1865
		Ditto,	500 0 0	100 0 0	1	22 April, "
	Strabane,	The Rev. J. MacIvor,	900 0 0	360 0 0	2	28 Aug., 1860.
		Ditto,	800 0 0	160 0 0	1	8 Oct., 1867.
ARMAGH,	Orier, Upper,	Henry Alexander,	200 0 0	160 0 0	4	31 Aug., 1867.
DOWN,	Ards,	Hugh Montgomery,	500 0 0	200 0 0	2	7 Nov., 1866.
	Castlereagh,	Thomas R. Stannus,	125 0 0	75 0 0	3	18 Jan., 1866.
		Lord Dufferin,	2,000 0 0	400 0 0	1	8 July, 1867.

MIDLAND AND EASTERN DISTRICT.

County.	Barony.	Applicant.	Amount sanctioned £ s. d.	Amount issued. £ s. d.	No. of Instalments issued.	Date of last Order to Issue.
CAVAN,	Castlerahan,	The Marquis of Headfort,	1,000 0 0	600 0 0	3	16 Feb., 1865.
		Ditto,	400 0 0	240 0 0	3	8 Oct., 1867.
	Clonkee,	Mervyn Pratt,	5,000 0 0	1,500 0 0	3	7 Oct., "
	Tullygarvey,	The Hon. and Rev. H. O'Brien,	300 0 0	60 0 0	1	28 Feb., 1867.
MONAGHAN,	Dartrey,	André A. Murray Kar,	100 0 0	60 0 0	3	19 Dec., 1863.
	Trough,	David Ross,	900 0 0	540 0 0	3	26 Mar., 1866.
LONGFORD,	Ardagh,	The Earl of Longford,	400 0 0	80 0 0	1	24 Aug., 1867.
	Longford,	The Hon. L. H. King Harman,	3,200 0 0	1,000 0 0	2	1 Oct., "
		Ditto,	2,250 0 0	2,850 0 0	3	6 Jan., 1868.
		Ditto,	2,200 0 0	440 0 0	1	18 July, 1867.
		Ditto,	2,900 0 0	500 0 0	1	19 July, "
		H. Sholto Douglas,	1,000 0 0	400 0 0	2	13 Mar., 1866.
	Moydow,	William Bond,	200 0 0	100 0 0	4	21 July, 1865.
		The Hon. L. H. King Harmon,	1,050 0 0	420 0 0	2	6 Jan., 1868.
		Ditto,	3,400 0 0	1,000 0 0	2	6 Jan., "
		William F. Armstrong,	750 0 0	150 0 0	1	20 Sept., 1867.

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APPENDIX C.

Landed Property Improvement Loans.

(C.) Schedule showing the Loans in progress, the Amount sanctioned, &c.—*continued.*

County.	Barony.	Applicant.	Amount sanctioned. £	s.	d.	Amount issued. £	s.	d.	No. of Instalments issued.	Date of last Order to Issue.
LOUTH,	Ardee,	William R. Supple and others,	300	0	0	180	0	0	3	10 Mar., 1868.
	Ferrard,	William D. Dunlop,	100	0	0	00	0	0	3	8 Jan., 1868.
MEATH,	Deece, Upper,	George Bomford,	1,100	0	0	220	0	0	1	24 Jan., 1868.
	Duleek,	Lord Athlumney,	180	0	0	140	0	0	4	24 Jan., "
		Charles B. Caldwell,	600	0	0	480	0	0	4	24 Feb., "
	Kells, Lower,	The Marquis of Headfort,	2,500	0	0	1,500	0	0	3	8 Feb., "
		Nathanial H. Dyas,	1,000	0	0	200	0	0	1	10 Oct., 1867.
	Moyfenrath,	Samuel Law,	300	0	0	240	0	0	4	5 July, 1866.
	Navan, Upper,	George A. Rotherham,	700	0	0	560	0	0	4	31 May, 1867.
		Richard W. Reynell,	250	0	0	150	0	0	3	1 June, "
	Ratoath,	William Murphy,	200	0	0	100	0	0	4	8 Oct., "
WESTMEATH,	Kilkenny, West,	Wm. H. Gray and John Hodson,	300	0	0	180	0	0	2	19 June, 1867.
		Frances Montgomery and Richard Chaloner,	850	0	0	080	0	0	4	9 Dec., "
		Robert R. Smyth,	200	0	0	40	0	0	1	31 Oct. "
		Ditto,	350	0	0	70	0	0	1	7 Mar., 1863.
DUBLIN,	Balrothery, East,	The Hon. St. John Butler,	1,000	0	0	200	0	0	1	1 Mar., 1868.
	Coolock,	Eleanor C. Roper,	300	0	0	180	0	0	3	1 April, 1867.
KILDARE,	Carbury,	Francis E. M'Donnell,	700	0	0	420	0	0	3	14 Feb., 1867.
	Ikeathy and Oughterany,	Lord Cloncurry,	1,100	0	0	880	0	0	4	13 Aug., 1863.
		N. J. Gannon,	1,000	0	0	200	0	0	1	17 Jan., 1868
	Naas, North,	The Earl of Mayo,	300	0	0	60	0	0	1	27 Nov., 1866.
	Naas, South,	Edward Hornidge,	250	0	0	200	0	0	4	8 Oct., 1864.
	Narragh and Reban,	The Marquis of Drogheda,	1,000	0	0	200	0	0	1	23 April, 1867.
	Offaley, West,	The Rev. W. R. Lawrenson,	750	0	0	150	0	0	1	11 Mar., 1868.
	Salt, North,	Richard W. Hartley,	1,150	0	0	220	0	0	1	13 Dec., 1865.
KING'S,	Ballyhritt,	John Ashton,	750	0	0	450	0	0	3	10 Feb., 1866.
	Philipstown,	William H. Walsh,	750	0	0	450	0	0	3	19 Feb., "
		James Smallman,	300	0	0	180	0	0	3	21 Sept., 1865.
QUEEN'S,	Cullanagh,	Loftus H. Bland and another,	450	0	0	270	0	0	3	1 Nov., 1864.
	Maryborough, East,	Thomas Kemmis,	350	0	0	70	0	0	1	2 Aug., 1867.
	Slievemargy,	John G. Adair,	1,500	0	0	1,200	0	0	4	14 April, 1866.
		Thomas G. Butler,	1,800	0	0	720	0	0	2	5 Aug., 1867.
	Stradbally,	Robert G. Cosby,	750	0	0	600	0	0	4	26 Sept., "
		Sir Allen J. Welsh, bart.,	800	0	0	160	0	0	1	26 Sept., "
	Upperwoods,	Sir Erasmus D. Borrowes, bart.,	500	0	0	200	0	0	2	5 April, "
WICKLOW,	Arklow,	The Earl of Wicklow,	450	0	0	180	0	0	2	9 Jan., 1868.
CARLOW,	Idrone, East,	Denis W. Park Beresford,	840	0	0	120	0	0	1	10 Oct., 1867.
		Robert Watson,	120	0	0	20	0	0	1	12 Dec., "
	Idrone, West,	Horace Rochfort,	100	0	0	20	0	0	1	20 Sept., "
KILKENNY,	Galmoy,	Lord Mountgarrett,	500	0	0	300	0	0	3	26 Sept., 1867.
		Arthur W. Mosse,	850	0	0	680	0	0	4	5 July, 1868.
	Ida,	David Hewetson,	300	0	0	180	0	0	3	15 April, 1864.
		Alfred Gahan and others,	500	0	0	300	0	0	3	1 Nov., "
		Henry Gahan and others,	500	0	0	300	0	0	3	1 Nov., "
WEXFORD,	Ballaghkeene,	Villiers L. Hatton,	150	0	0	120	0	0	4	0 July, 1867.
		Solomon A. Richards,	300	0	0	240	0	0	4	16 Jan., "
	Bantry,	Harry Alcock,	250	0	0	100	0	0	2	9 Jan., 1866.
	Forth,	A. J. Howlin and another,	300	0	0	60	0	0	1	5 Oct., 1867.
	Shelmaliere, West,	Francis A. Leigh,	700	0	0	420	0	0	3	7 Dec., 1867.

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(C.) Schedule showing the Loans in progress, the Amount sanctioned, &c.—*continued.*

APPENDIX C.

Landed Property Improvement Loans.

WESTERN DISTRICT.

County.	Barony.	Applicant.	Amount sanctioned. £ s. d.	Amount issued. £ s. d.	No. of Instalments issued.	Date of last Order to Issue.
Sligo,	Leyney,	Henry and John Brett,	200 0 0	40 0 0	1	30 Oct., 1867.
	Tireragh,	Sir M. Crofton,	600 0 0	480 0 0	4	4 Aug., 1866.
		Richard G. Brinkley,	1,000 0 0	800 0 0	4	8 Nov., "
		John W. Stratford,	600 0 0	120 0 0	1	10 Feb., 1868.
		Ditto,	350 0 0	70 0 0	1	10 Feb., "
Leitrim,	Carrigallen,	The Rev. J. Godley,	600 0 0	240 0 0	2	13 Feb., 1868.
	Drumahaire,	Hugh L. Montgomery,	1,000 0 0	600 0 0	3	26 Oct., 1867.
		John J. Whyte,	2,000 0 0	800 0 0	2	7 Aug., 1865.
	Leitrim,	The Earl of Albemarle,	1,500 0 0	600 0 0	2	16 Mar., 1868.
		William R. La Touche,	600 0 0	240 0 0	2	22 Jan., "
		Joseph Keon,	175 0 0	35 0 0	1	14 Feb., "
	Mohill,	Hugh O'Beirne,	2,000 0 0	400 0 0	1	2 Mar., "
Mayo,	Carra,	The National Building Company,	2,500 0 0	500 0 0	1	28 Aug., 1867.
		Ditto,	500 0 0	100 0 0	1	28 Aug., "
	Clanmorris,	John C. Sheffield,	300 0 0	240 0 0	4	19 Feb., 1868.
	Gallen,	George Orme Malley,	100 0 0	40 0 0	2	4 Mar., "
		Ditto,	275 0 0	100 0 0	2	25 Mar., "
	Kilmaine,	Robert Staples,	350 0 0	70 0 0	1	29 Jan., "
		Ditto,	450 0 0	90 0 0	1	29 Jan., "
	Tyrawley,	Lewis G. Jones,	600 0 0	800 0 0	3	16 Jan., 1866.
Roscommon,	Athlone,	John H. Dillon,	850 0 0	410 0 0	3	18 Oct., 1867.
	Ballintober, N.,	John W. Flanagan,	850 0 0	410 0 0	3	11 April, "
		W. R. Tredennick,	1,000 0 0	800 0 0	4	11 Oct., "
	Ballymoe,	Patrick H. O'Connor,	800 0 0	160 0 0	1	27 Oct., 1866.
	Boyle,	C. T. M'Causland,	400 0 0	160 0 0	2	15 Nov., 1867.
	Castlereagh,	Lord De Freyne,	500 0 0	400 0 0	4	22 Mar., "
	Roscommon,	H. S. Pakenham Mahon,	750 0 0	600 0 0	4	2 May, 1864.
Galway,	Athenry,	Thomas R. Roche,	850 0 0	510 0 0	3	24 Dec., 1867.
		John J. Lopdell,	150 0 0	150 0 0	5	5 Dec., "
	Ballymoe,	John L. Bagot,	1,000 0 0	800 0 0	4	8 April, "
	Dunmore,	Thomas M'Dermott and wife,	300 0 0	240 0 0	4	24 Mar., 1868.
	Kilconnell,	Edward C. Villiers,	650 0 0	130 0 0	1	27 Sept., 1867.
	Kiltartan,	John W. H. Lambert,	1,600 0 0	1,280 0 0	4	22 Mar., 1866.
	Longford,	William C. B. Ruthven,	1,000 0 0	400 0 0	2	8 Jan., 1864.
	Moycullen,	Francis L. Comyn,	600 0 0	120 0 0	1	15 May, 1867.
		Ditto,	600 0 0	120 0 0	2	18 Mar., 1868.
		Ditto,	250 0 0	100 0 0	2	20 Mar., "
		George E. Burke,	450 0 0	180 0 0	2	16 Oct., 1867.
		Isadore Lynch,	375 0 0	75 0 0	1	3 Aug., "
Clare,	Bunratty, Lower,	John G. Delmege,	1,300 0 0	780 0 0	3	26 Nov., 1864
		Ditto,	450 0 0	60 0 0	1	6 April, 1865
		Thomas S. MacAdam,	250 0 0	50 0 0	1	27 Mar., 1866
		Jonas Studdert,	250 0 0	160 0 0	4	23 Feb., "
		Richard Blood,	400 0 0	80 0 0	1	10 Feb., 1868.
	Islands,	Stephen B. Woulfe,	500 0 0	100 0 0	1	3 May, 1867.
	Tulla, Lower,	Catherine O'Shea,	1,000 0 0	400 0 0	2	30 May, 1886.

SOUTHERN DISTRICT.

County.	Barony.	Applicant.	Amount sanctioned. £ s. d.	Amount issued. £ s. d.	No. of Instalments issued.	Date of last Order to Issue.
Limerick,	Clonwilliam,	Edward T. Gloster,	250 0 0	150 0 0	3	17 Aug., 1867.
		Sir C. Molyneux, bart.,	3,100 0 0	500 0 0	2	6 Jan., 1868.
	Connelloe, Lower,	Charles Patterson and others,	150 0 0	90 0 0	3	28 Dec., 1863.
		John S. Brown,	200 0 0	120 0 0	3	31 Oct., 1867.
	Connelloe, Upper,	Thomas Sanders,	800 0 0	480 0 0	4	3 July, 1885.
		Henry F. Synan,	200 0 0	100 0 0	4	9 Jan., 1868.
		Right Hon. W. Monsell,	300 0 0	60 0 0	1	6 Nov., 1867.
	Coshlea,	Vesey T. Bunbury,	150 0 0	90 0 0	3	22 Feb., 1866.
		Hugh Massy,	200 0 0	80 0 0	2	7 Jan., 1868.
		Ditto,	600 0 0	300 0 0	3	11 April, 1867.
	Coshma,	The Earl of Dunraven,	2,500 0 0	1,500 0 0	3	5 Aug., "
		The Rev. T. Bunbury,	100 0 0	80 0 0	2	13 Sept., 1866.
		William Roche,	800 0 0	100 0 0	1	20 Sept., 1867.
		Thomas B. L. Stewart,	200 0 0	120 0 0	3	27 Mar., 1868.
	Owneybeg,	Lord Cloncurry,	350 0 0	140 0 0	2	18 July, 1867.
	Shanid,	The Rev. T. W. Peile,	1,000 0 0	600 0 0	3	16 July, "
		Guardians of Lord Monteagle,	500 0 0	300 0 0	3	15 June, "
		Charles P. Roche,	100 0 0	60 0 0	3	20 Feb., 1868.
		Guardians of Lord Monteagle,	450 0 0	270 0 0	3	28 Mar., "
		John C. Delmege,	1,250 0 0	250 0 0	1	18 Sept., 1867.
		Guardians of Lord Monteagle,	250 0 0	150 0 0	3	15 Feb., 1868.
		Edward W. O'Brien,	500 0 0	100 0 0	1	17 Dec., 1867.
		Ditto,	500 0 0	100 0 0	1	17 Dec., "
		John C. Delmege,	1,000 0 0	200 0 0	1	6 Mar., 1868.

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APPENDIX C.

Landed Property Improvement Loans.

(C.) Schedule showing the Loans in progress, the Amount sanctioned, &c.—*continued.*

County.	Barony.	Applicant.	Amount sanctioned. £	s.	d.	Amount issued. £	s.	d.	No. of Instalments issued.	Date of last Order to Issue.
TIPPERARY,	Clanwilliam,	George Massy Dawson,	400	0	0	240	0	0	3	26 Feb., 1866.
	Elogarty,	Mary R. A. Fegen,	525	0	0	105	0	0	1	14 Aug., 1867.
	Iffa and Offa, East,	William Shew,	600	0	0	120	0	0	1	2 Mar., 1868.
	Ormond, Upper,	George Massy Dawson,	200	0	0	120	0	0	3	7 Mar., 1867.
		Robert Cole Bowen,	900	0	0	180	0	0	1	26 Nov., "
		Trustees of Lord Dunalley,	500	0	0	200	0	0	1	24 Mar., 1868.
	Owney and Arra,	Edward White,	300	0	0	180	0	0	3	10 Aug., 1864.
CORK,	Carbery, West, (W.D.)	T. M'Carthy Downing,	1,000	0	0	600	0	0	3	3 Sept., 1864.
		James H. Swanton,	1,200	0	0	960	0	0	4	28 Dec., 1867.
	Condons and Clongibbons,	William F. Armstrong,	1,000	0	0	200	0	0	1	27 Feb., 1868.
		Henry L. Young,	420	0	0	80	0	0	1	30 Mar., "
	Duhallow,	Sir George C. Colthurst, bart.,	1,000	0	0	600	0	0	3	12 Mar., "
		The Earl of Cork and Orrery,	200	0	0	160	0	0	4	6 Jan., "
		Philip R. Purdon,	350	0	0	70	0	0	1	24 April, 1866.
		Sir George C. Colthurst, bart.,	2,000	0	0	800	0	0	2	12 Feb., 1868.
	Kinalea,	Thomas B. Herrick,	400	0	0	80	0	0	1	14 Jan., "
	Kinsale,	The Hon. G. S. Gough,	240	0	0	40	0	0	1	10 Feb., "
	Imokilly,	Edmund S. Coppinger,	350	0	0	140	0	0	2	1 Dec., 1864.
	Muskerry, East,	Warren G. Crooke,	100	0	0	60	0	0	3	14 Nov., 1867.
		Sir George C. Colthurst, bart.,	2,000	0	0	1,200	0	0	3	31 Jan., 1868.
	Orrery and Kilmore,	Earl of Shannon,	200	0	0	160	0	0	4	16 July, 1865.
		The Rev. Richard Gibbings,	350	0	0	140	0	0	2	20 Mar., 1867.
		Ditto,	250	0	0	100	0	0	2	26 Feb., 1868.
WATERFORD,	Decies without Drum,	The College of Physicians,	200	0	0	40	0	0	1	30 April, 1867.
		Ditto,	100	0	0	20	0	0	1	30 April, "
KERRY,	Clanmaurice,	Wilson Gun,	550	0	0	220	0	0	2	12 Mar., 1868.
	Corkaguiney,	The Earl of Cork and Orrery,	150	0	0	00	0	0	2	15 Sept., 1868.
	Dunkerron,	F. C. Bland,	1,950	0	0	780	0	0	2	21 June, 1867.
	Iraghticonnor,	Henry B. Harene,	2,500	0	0	2,000	0	0	4	17 Sept., "
		William C. Hickie,	600	0	0	240	0	0	2	8 Mar., "
		Thomas Sandes,	1,300	0	0	520	0	0	2	9 Nov., "
		Stephen E. Collis,	500	0	0	100	0	0	1	19 Mar., 1868.
	Iveragh,	James M. M'Gill,	300	0	0	60	0	0	1	9 Jan., "
		James Butler,	550	0	0	110	0	0	1	24 Feb., "
	Magunihy,	Viscount Castlerosse,	8,000	0	0	1,500	0	0	3	4 April, 1866.
		Francis H. Downing,	300	0	0	120	0	0	2	4 Mar., 1868.
	Trughenackmy,	Samuel M. Hussey,	150	0	0	00	0	0	2	7 Aug., 1867.
		Ditto,	200	0	0	80	0	0	2	30 Nov., "
		Frances A. Clinte and another,	100	0	0	20	0	0	1	25 Nov., "

By Order,

E. HORNSBY, *Secretary.*

Office of Public Works, Dublin,
1868.

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APPENDIX D.

INLAND NAVIGATIONS AND HARBOURS.

REPORT of Mr. ROBERT ADAMS, Inspector, on the STATE of the TYRONE NAVIGATION. For the year 1867.

Report of Mr. Robert Adams, Inspector.

Coalisland, 6th January, 1868.

SIR,—I have the honour to report, for the information of the Commissioners, that the Tyrone Navigation has been kept in good order for the past year. The works executed being merely the ordinary repairs incidental to the maintenance of the canal, namely, the repairs of the towing-path (which is also a turnpike-road) and canal banks, metalling of the surface of the roadway of wharf and quay; repairs of No. 3 lock gates, which consisted of putting in one new mitre post, and two balance beams, one new regulating sluice for canal feeder; repairs of and lime-washing five lock-keepers' houses, and regulating sluice-keeper's house; 370 perches of back drains cleaned out, and also the stanching of two leaks in the canal bank, seventh level.

Although some of the lock gates are a good deal worn, and in some places showing symptoms of decay, I anticipate they will last, with trifling repairs, for some years to come.

I regret to have to repeat that the removal of the new aquatic weed still continues a source of considerable expense.

I have the honour to be, Sir,
Your most obedient servant,
ROBERT ADAMS, C.E.

The Secretary, Board of Public Works.

REPORT of Mr. EDWARD H. ALCOCK, Harbour Master, on the STATE of DUNMORE HARBOUR. For the year 1867.

Report of Mr. Edward H. Alcock, Harbour Master.

Harbour House, Dunmore, East,
January 4, 1868.

SIR,—In accordance with your directions, I now furnish my usual Annual Report on the state and progress of the works at Dunmore pier and harbour for the year 1867.

During the past spring, summer, and autumn the Board has had from twenty to thirty labourers and tradesmen employed regularly under a Clerk of Works, endeavouring to repair the main breach in the pavement of the pier; but their efforts were not successful, most of their work having been swept away by a short gale from the S.S.E., which occurred on the 12th of September. The effect of that storm I duly reported, and at the commencement of October the pier and harbour were inspected by one of the Commissioners of Public Works and also by the Head Harbour Engineer. A break-water is now being run out at the back of the pier to form a base for operations, and afford the necessary shelter to the workmen on the pavement, and now there is every appearance of all required preparations being made, such as quarrying large quantities of stone, collecting sleepers, and other necessary materials so as to have all ready the moment the season is sufficiently far advanced to recommence the repairs to the protecting pavement of the pier.

Considerable progress has, within the last two months, been made with the flagging over the coal stores on the pier. Nearly one-fourth of the entire is completed in a thoroughly efficient manner, as is proved by the stores over which the work has been finished being perfectly water tight.

The work of levelling the approaches to the pier has been commenced, and all the clearing stuff of the quarry is being turned to good account in filling up the various unsightly and dangerous holes in the immediate vicinity of the road leading directly down to the pier.

It is to be regretted that, as yet, the Board has not been able to procure the services of a suitable dredge-boat to clear out the harbour, which, from day to day, continues to silt up more and more; and now the fishing boats may frequently be seen aground at its entrance, while close to its centre, at low water, not more than 5 feet water can now be found where originally there was 16.

The road surface of the pier and the roads leading thereto, as well as the boundary walls on the Board's property, were, under my directions, put in good order last summer; but the road surface of the pier itself will shortly require to be recoated, while the other roads referred to are not likely to want any repairs before the ensuing spring.

The harbour house and premises were, as usual, put in good condition as to repairs and painting last summer; and bearing in mind their very exposed positions, they are at the present time in as good order as could be expected.

I am, Sir,
Your ever obedient servant,
EDWARD H. ALCOCK,
Harbour Master, Dunmore, East.

Edward Hornsby, esq., Secretary,
Office of Public Works, Custom House, Dublin.

REPORT of Mr. JAMES BELLEW, Superintendent, on the STATE of the WORKS of the BOYNE NAVIGATION. For the year 1867.

Report of Mr James Bellew Superintendent.

Oldbridge, Dregheda,
9th January, 1868.

SIR,—In obedience to your letter of the 3rd instant, I beg to forward the following report of the state and progress of the works for the year 1867, viz:—

River Wall, Ball's Grove Trackway.

The few breaches that occurred were at once built up in a permanent manner, and the wall is now in good repair.

Oldbridge Station.

The breast-gates have been newly sheeted, a new balance-beam put on, and two new sluices. A new double footboard has been put upon the deep-gate. The sheeting of the guard-lock has been repaired, a new balance-beam put on, and two new sluices.

Stalleen Station.

The breast-gates have been newly sheeted, and four new sluices put in; one of the balance-beams of the deep-gates repaired, and two new sluices put in. Two gates at the guard lock newly sheeted, two new sluices put in, with four new footboards.

Broe Station.

The breast-gates newly sheeted, four new sluices put in, with two new double foot-boards; two new foot-boards on the deep-gates, with two new sluices. Two gates newly sheeted at the guard lock, and two new sluices put in.

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APPENDIX D.

Report of Mr. James Bellew, Superintendent.

Rosnaree Station.

An excellent pair of new breast-gates have been made, and hung at this station, with four new sluices, and loggerheads, with one new balance-beam. Two new additional sluices have been put upon the middle gates, the deep-gates have been newly sheeted, and two new sluices put in.

Castle Lock Station.

The lock-keeper's house has been remodelled, and raised so as to give attics. It is now a good house, and very ornamental.

The new weed *anacharis alsinastrum* has continued to be a source of great annoyance and much expense, it grows to such a profusion during the summer season.

I am, Sir, your obedient servant,
J. BELLEW.

The Secretary, Board of Public Works, Dublin

Reports of Mr. James J. Boylan, Assistant Engineer.

REPORTS of Mr. JAMES J. BOYLAN, Assistant Engineer, during the year 1867.

Kingstown Harbour, County of Dublin.

During the past year the surface of all the roads and footpaths on the Board's property were maintained, cleaned, watered, and lighted, the sea slopes and face walls of the piers were repaired. The palings, fences, sheds, cranes, buoys, stores, buildings, lamp-posts, and houses of the superintendent, boatmen, caretakers, &c., were cleaned, repaired, painted, and whitened; the yards were drained, and new sewers formed from the superintendent's and boatmen's houses.

The necessary supply of ballast was delivered to the vessels, and the tramway from the ballast pit to the quay maintained.

Timber fenders were fixed at the graving bank in Dunleary Harbour. Mooring posts, a ballast depot, and public privy were constructed on the old Dunleary quay, and a quantity of boulder stones removed by divers from the foot of same.

At the female free bathing place seven bathing boxes and a privy were constructed.

The underpinning of the western face of the Mail Packet Pier was proceeded with by means of divers, and a quantity of stones were set in the deep channel at the foot of same.

The screw mooring No. 2 east, which was drawn from its seat by a large vessel, was reinserted at a depth of 10½ feet below the surface of the bottom of the harbour.

Howth Harbour, County of Dublin.

The works for the Improvement of this harbour, reported as in progress in my last Annual Report, were continued from the commencement of last year until 1st September, 1867, when they were brought to a close, owing to the expenditure of the grant under the 26th & 27th Vic., cap. 72. These works consisted in deepening the harbour by dredging, and for the period they were carried on during the past year, were principally directed along the eastern pier, where a depth of 7 feet at low water has been attained for a distance of 280 feet inside the jetty; during the spring the dredger was engaged in removing some sand hummocks that had formed in the entrance during the previous winter.

The quantity of material dredged during the portion of the year worked was 15,500 cubic yards.

The works of maintenance executed during the past year consisted in the repair of the surface of the roads of the quays, and the road to Kilrock quarry, the removal of the parapet of the west pier, and formation of a footpath from the railway station to the Mariner's Hall, the erection of 24 cut stone mooring posts along the quays, repairs of some portions of the sea slopes, and painting of the fish-curing sheds on the east pier and the stores and premises belonging to the Board on the west pier.

For the purpose of facilitating the curing of fish at the harbour, 650 lineal feet of the west pier has been let to enterprising curers, who are about to erect buildings necessary for the white and smoked curing business, which is now being carried on extensively. A temperance refreshment room has been also erected on this pier, which will be a great boon to the fishermen and others, whose business requires their attendance on the quays throughout the entire day, and a site for a ship carpenters' workshop is in process of erection, where a supply of the necessary materials and skilled workmen can be had at all times to meet the requirements of the fishermen.

Donaghadee Harbour, County of Down.

The extremely severe storms from the eastward that occurred during the early part of last year, and which were attended with such damaging effects along the east coast, made some large breaches in the sea slopes at this harbour.

At the north pier two very large breaches were made in the sea slope, and the stones carried away for a distance of from 100 to 200 yards, and close to the pier head the parapet was undercut to a considerable extent. At the south pier a serious breach was made in the sea slope immediately at the pier head, and here the parapet was also undercut. At Lemon's wharf, inside the harbour, the walls and parapet, where they were exposed to the storms, and were formed of dry rubble stone only, were in many places injured—the entire of the parapet was washed down. All these works were thoroughly and efficiently repaired by the end of the year, the surface of the roads, quays, and wharf were repaired, and and the cranes, stores, &c., properly maintained throughout the year.

Quantity of work executed:—

725 cubic yards in rubble stone pavement to sea slopes, set dry.
156 cubic yards in rubble stone walls at Lemon's wharf, set dry.
25 cubic yards masonry in underpinning of parapet, set in cement.

JAMES J. BOYLAN, C.E.

18th March, 1868.

FISHERY PIERS AND HARBOURS—REPORT OF WORKS EXECUTED DURING THE YEAR 1867.

Kilkeel Pier, County of Down.

The construction of this pier, which was stated in my last Annual Report as in progress, was continued throughout the past year; for the first three months of which the weather was so extremely severe that but little could be done, except in the preparation of the stones; and the roads were so much cut up with frost, little stone could be got in from the quarries during that time. However, when the fine weather set in, the utmost vigour was used to push on the work, and the outer pier was finished before the termination of the summer; the retaining wall at the north side of the channel was also finished early in the season, and the inner portion of the quay wall was completed to its full length; the excavation of the channel was proceeded with throughout the season, and got down to an average of 2 feet of the proposed bottom; the weir was completed, except a small portion of the pavement of the apron.

Quantity of work executed during the year:—

Dressed ashler, . .	26,780 cubic feet.
Rubble masonry, . .	5,585 cubic yards.
Stone filling, . .	3,500 cubic yards.
Excavation in gravel, .	15,500 cubic yards.

Newcastle Pier, County Down.

This pier, which was constructed under the "Fishery Piers and Harbours Act," and handed over to the county Down in the year 1854, was seriously injured by the storms of the 5th January and 17th and 22nd March, 1867, and there being no funds at the disposal of the County Surveyor, under whose charge it now is, for repairs of such an extensive nature, and the state of

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the structure requiring immediate action for its restoration, the Lord Lieutenant, on an application being made to him, ordered the execution of the necessary repairs, which were performed with the utmost despatch.

By the storm of the 5th January a breach was made in the vertical sea wall, a little under high water level, 10 feet wide by 6 feet high, and the hearting of the quay inside it cut across more than half way. The subsequent storms tore up 350 superficial yards of the outward horizontal pavement at the foot of the sea wall, and started some of the ashlar masonry in the vertical sea wall near the pier head, all of which were repaired in a substantial and permanent manner.

Spiddle Pier, County of Galway.

The works for the construction of this pier were commenced on the 25th June last. In the first instance it was necessary to form a roadway from the public road to the site of the pier, a length of 75 perches, for the purpose of getting the requisite plant to the works, and forming an approach to the pier;—and the requisite workshops and storeyard were erected. The pier, which it is proposed to extend 950 feet, was commenced by running out a rough mole of rubble stone, faced on the inside with a battered wall of dressed masonry, was constructed for a length of 250 feet, and an average height of 18 feet.

The works are now in a most favourable condition for making rapid progress during the ensuing year, as the necessary rails, waggons, cranes, and other machinery are on the ground, and the rails laid from the quarries to the pier.

The quantity of work executed was:—

Dressed masonry in mortar,	600	cubic yards.
Do. set dry,	750	"
Pitching, . .	360	superficial yards.
Rubble filling, .	10,300	cubic yards.

Clifden Quay, County of Galway.

This work was commenced on the 1st July last, and consisted in the extension of the present quay for a length of 200 feet, the formation of a rough stone pitching for a further length of 200 feet, and the formation of half-tide barriers to increase the scour in the navigable channel during the flow and ebb of the tide. The quay wall is built for its entire length to within 2 feet of the top, and the return wall at the end 20 feet in length, and to the same level, with a flight of stone steps at the angle, all strongly backed with hand set stones, and filled behind with well packed gravel for a width of forty feet; the rough stone pitching from the end of the quay was completed, and preparations are being made for the commencement of the half-tide barriers with as little delay as possible.

Quantity of work executed:—

Dressed masonry in mortar,	250	cubic yards.
Do. set dry,	650	"
Pitching, . . .	320	superficial yards.
Filling, . .	3,350	cubic yards.

Barnaderg Pier, County of Galway.

The works for the improvement of this pier were commenced on the 15th July last, and consisted in raising the entire surface of the pier which has been heretofore frequently covered during high water of spring tides 2½ feet, and the removal of a rock, and formation of a rough slip at the root of the pier on the eastern side. The coping of the entire of the walls and centre pavement were removed, the walls raised, the centre filled in, and the coping and pavement reset, and the greater part of the rock was excavated by the close of the year.

Quantity of work executed:—

Dressed masonry in mortar,	270	cubic yards.
Pavement reset, . .	760	superficial yards.
Filling, . . .	1,100	cubic yards.
Excavation in rock, .	400	cubic yards.

Leenaun Pier, County of Galway.

The works for the improvement of this pier were commenced on the 15th July last, and consisted in the reconstruction of the old pier for a length of 80 feet, and the formation of a new pier to the west of it 110 feet in length; these piers are raised to a hight of 4 feet above high water level, are 16 feet wide on roadway, having a batterred wall on the inside, a rough sea pavement, set one to one, on the outside, with parapets 6 feet high and 4 feet thick, and a flight of stone steps at the end of each pier. This work was completed early in December.

Quantity of work executed:—

Masonry set in mortar,	323	cubic yards.
Do. set dry, .	354	"
Pitching, . .	295	superficial yards.
Filling, . .	1,688	cubic yards.

JAMES J. BOYLAN, C.E.

18th March, 1868.

DRAINAGE MAINTENANCE ACT.

Ballinderry Lake District, County of Westmeath, and King's County.

This is the first district in which the Board were called upon to enforce the terms of this Act, it is a small district, consisting of a main drain 657 perches in length, and some tributary drains, having a length of 210 perches, and relieves a tract of 311 statute acres.

The works were completely neglected by the trustees for a period of ten years, and the several channels were so much filled in with obstructions that it was impossible for the water to escape without injury to the lands.

The work was executed by contract, it was commenced on the 8th June last, and completed on the 7th August, but the channels were further maintained for a period of three months, namely—to the 7th November last, when the works were completed.

Lough Dallagh District, Balla District, County of Mayo.

The works in these districts having been neglected by the trustees, the Board had them examined in the autumn of last year, but by the time the necessary notices could be given, previous to the Board undertaking the work, the season was too far advanced for commencing works of this nature.

JAMES J. BOYLAN, C.E.

18th March, 1868.

REPORT of Mr. JEREMIAH DONOVAN, Clerk of Works, on Bantry Pier. For the year 1867–8.

Report of Mr. Jeremiah Donovan, Clerk of Works.

Bantry, May 7th, 1868.

SIR,—In reply to your letter of the 5th of May inst., directing me to furnish a report of the progress of the works at Bantry Pier, for the year ending 31st of March, 1868, I have to state that the contractor did not lay any work in the pier up to 12th of August, 1867, although he was quarrying and dressing stones since 12th of May previously. He has since been at work slowly, and had 130 feet long from road inwards up to coping and parapet level, and filled up to same level on the 31st of last March.

He had some difficulty about getting ashler for facing; but now there is no further excuse for that, as he can get it in any quantities that he may require. The stones are weighty, and easily procured; and I do not see any reason why the work could not be pushed on more rapidly than has been hitherto done.

The following are the quantities of work laid in the pier up to 31st of March, 1868:—

Ashler facing, . . .	7,177	cubic feet.
Backing rubble masonry,	428	cubic yards.
Filling, hand set six feet from walls, . . .	1,219	cubic yards.

I am, Sir,

Your obedient servant,

JEREMIAH DONOVAN,
Clerk of Works

To the Secretary, Board of Public Works, Dublin.

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APPENDIX D.

Report of Mr. J. S. Mason, Engineer.

REPORT of Mr. JOHN S. MASON, C.E., Engineer in charge of ULSTER CANAL. For the year 1867.

Monaghan, 1st February, 1868.

SIR,—I beg to report on the progress made in carrying out the works of repair on the Ulster Canal during the past year.

The works along the canal are now nearly completed, and the several embankments, excepting those near Clones, have been raised and strengthened to carry five feet of water on the respective lock sills. There remains still some puddling to be done to make the embankments stanch, but the leakages are of a very trifling character.

The towing-paths have been well repaired and maintained, and the fences are in general good order for the entire length of canal.

The embankments on the Clones reach still require raising and strengthening in places, but the work is in a forward state, and the repairs on the entire length of canal (forty-six miles) will be completed this summer.

The works were in progress in the following divisions:

Charlemont to Caledon—14 miles.

The works in this division were nearly completed last year; what remained to be done comprised the building of a stone wall at the toe of one of the high embankments near the eighth lock, where the bank in former years burst and continued occasionally to slip and settle down. It is now well secured, and the slopes of the canal adjoining the slip have been carefully puddled. Two embankments on the Caledon level were raised from one to two feet on the towing-path side, and afterwards metalled. The draining, forming, and metalling of the towing-paths in other parts of this division were also proceeded with, and all repairs done where a right exists for persons to cart on the banks, and the fences were completed.

Between the fourth and fifth locks a rocky edge overhangs the canal, and after the severe frost of last winter a portion gave way, carrying a quantity of top bearing of clay into the canal, which was cleared out and removed. In this rock-cutting the leakages through joints in the bottom and slopes of the canal were found difficult to trace, and required much attention in stanching.

The other works done included erecting stone mooring posts at the locks where required, painting lock gate beams, stopping cart passes on towing-paths at public bridges, and puddling leakages in the several embankments.

Caledon to Monaghan—11 miles.

The repairs of the embankments, towing-paths, and fences previously in progress between Middletown and Monaghan were proceeded with in the early part of the year. The embankments required raising and puddling in several places, and were made stanch so that the several reaches remained full of water during the summer.

Near the end of the year two embankments at Martin's Bridge required further puddling and are not yet finished, otherwise the works in this division are in good order.

The towing-paths near Monaghan, being much cut up with cart wheels, were formed and gravelled, and a quantity of stones broken for the repairs.

The approaches to a timber accommodation bridge on the Caledon level requiring repairs, the road planking was removed, and the approach formed with clay; and building materials have been boated to the place for completing the works next spring.

The other works comprised painting the lock gate beams, repairing leaky sluices, making fences to prevent carting on the towing-path, building an embankment-retaining wall at Ardgonnel, clearing portion of the canal of weeds where they obstructed the lighters employed on the works, and removing a land-slip near Tullyhirn Bridge.

Monaghan to Smithborough—8 miles.

The embankments at Monaghan were in a ruinous state and required a large quantity of clay in raising, widening, and puddling, which are now nearly completed; the towing-paths required draining and forming, and have been gravelled for the greater portion of this division.

Near Monaghan store a flagged tunnel leaked and required to be opened and rebuilt, and the masonry of the quay wall, near the Shamble Bridge, was repaired.

The fences were completed, requiring to be built in places with stones where the banks slipped.

Near Smithborough, to prevent carting on the embankments, a pass was formed along the bottom land, gravelled, and kept in repair.

The other works included painting the lock gate beams, repairing, and refitting sluices, puddling leakages in several embankments and wing walls of twentieth lock, and clearing weeds for the entire length of the division.

Smithborough to Clones—6 miles.

This division includes the Granshaw and part of the Clones reaches or levels. In the former the principle work required to be done was puddling the slopes to prevent leakages, and a large quantity of clay was boated for the purpose.

The embankments on the Clones level were raised, widened, puddled at Carney's Island, Clonavilla, and Legarbill, requiring a large quantity of clay to be boated to the work, which is now in a forward state. The embankments, generally, were leaky in this division and the slopes or trenches have been puddled to make them stanch.

The towing-paths have been formed and coated with stones or gravel.

The other works included painting lock gates, completing the fences near the twenty-third lock, and clearing the canal of weeds.

Clones to Lough Erne—7 miles.

The works in this division, including the Clones level in the fourth division, were in very bad repair, and the embankments low and so leaky that the canal used to run dry in the summer time. A large quantity of materials has, therefore, been required for embanking and puddling, and the works have been actively carried on during the year.

The embankments were raised, widened, and puddled at Clonfad, Drumsloo, Gortnacarrow, and Clonshannagh, and the slopes puddled for a considerable portion of the division.

A quantity of stone was broken for repairing the towing-paths, and they have been drained, formed, and metalled with stones or gravel.

Boundary fences were made at Mummilly, Clonagorehog, Gortnacarrow; and repaired in places where the banks slipped.

The other works included painting the lock gates, repairing water wing walls of bridges, and the stores at Clones; stoning and gravelling cart passes at Drumsloo and Gortnacarrow embankments, and clearing the weeds from the Clones level.

ABSTRACT OF WORKS done in DIVISIONS.

—	1st Division.	2nd Division.	3rd Division.	4th Division.	5th Division.
	Perches.	Perches.	Perches.	Perches.	Perches.
Embankments raised, .	130	199	234	367	285
Do. puddled, .	80	130	353	173	503
Towing-path repaired, .	1,671	965	2,374	257	1,062
Fences made and repaired,	166	303	477	21	437
Canal cleared of weeds, .	–	1,676	2,049	–	266
Cart passes, . . .	–	–	63	–	100
	Tons.	Tons.	Tons.	Tons.	Tons.
Broken stones, . .	244	125	110	95	270

The works have escaped all injury during the winter and the floods, which formerly endangered the embankments, have been prevented from entering the canal. The locks and lock-gates are in good repair, the latter being painted during the summer months, and several sluices, where any leakage was observed, were refitted and made stanch.

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The weed *anacharis alsinastrum* still continues to obstruct the canal, and requires constant clearing out; to enable the lighters, carrying materials for the works, to pass on portions of the canal, a revolving rake, worked on a raft, was constructed, which answered the purpose of weeding, and may, with some improvement, be made useful in keeping the canal free of weeds, at a small expense, when opened for traffic.

To provide water for the canal during the summer an arrangement was made with the millers on the River Blackwater for a temporary supply, which enabled the lighters, employed on the repairs, to be kept constantly at work, and was the means of preventing injury to the embankments that resulted in previous years from allowing several reaches to run dry during the summer months.

The works in connexion with the reservoirs for supplying the canal have been carefully considered, and the necessary survey and levels are in progress for making contract drawings preparatory to commencing the works this summer. An abundant quantity of water can only be procured, during floods, from the River Blackwater, at Bellanode, and the storage reservoir requires to be made sufficiently large to provide for the supply of the canal during dry weather.

Some injury continues to be done to the towing-paths by trespassers carting on them. They have been prevented as far as possible by fencing the boundary, and raising obstructions; but in some few cases a right of pass is insisted on, and legal proceedings will probably be necessary to prevent a continuance of such trespass and injury to the works.

The stores at Clones, which were held adversely by persons connected with the late Canal Company, came into the Commissioners' possession by ejectment in the month of July, in a dilapidated state, requiring new doors, painting, and other repairs, which have been completed.

In consequence of the works of repair, the canal was closed for traffic during the year, but, by permission, lighters were occasionally allowed to pass between Charlemont and the quarry near Benburb, and about 2,008 tons of building stones, coals, turf, and corn were conveyed on the canal; lately application was made for leave to pass lighters to Caledon and Monaghan; and in anticipation of trade the dock-yard at Charlemont has been constantly occupied since the month of May, with lighters, suited for the canal, undergoing repairs.

Owing to the high charges made on railways, the opening of the canal for traffic is looked forward to by merchants in the principal towns along the line, but as they have heretofore been used to a Carrying Company in connexion with the canal, it is not likely that the full benefit of this navigation will be realized until the parties interested know whether the traffic is to be conducted by a company or by themselves; and they are, therefore, not preparing to build boats, or make arrangements, which, under other circumstances, might be in progress; the permission, however, which has been given, in allowing lighters to pass along the canal, has not only increased the number of inquiries respecting the time it will be opened, but is likely to create some trade preparatory to charging tolls when the works are completed.

I am, Sir, your obedient servant,

JOHN S. MASON, C.E.

Edward Hornsby, esq., Secretary,
Board of Works, Dublin.

REPORT of Mr. JAMES M. MERRICK, Inspector, on the STATE of the SHANNON NAVIGATION from SHANNON HARBOUR to LOUGH ALLEN, and the BOYLE WATER, from its Junction with the SHANNON to DRUM WHARF, near BOYLE. For year ending December 31, 1867.

Report of Mr. James M. Merrick, Inspector.

Navigation Course from Shannon Harbour to Battle Bridge Lock.

The following works have been executed for the maintenance of the navigation course, 79 miles, between Shannon Harbour and Battle Bridge Lock, through Loughs Ree, Forbes, Bofin, Bodarrig, &c.:—Ninety-seven larch guide-piles and 2 cast-iron piles have been erected; 8 new timber buoys and 3 floating-piles moored; 7 iron buoys taken up, repaired, and remoored; 1 iron perch repaired and erected, and 5 stone beacons repaired and underpinned.

This is a great increase in the amount of work usually found necessary for the maintenance of the navigation course, and is attributable to the sudden breaking up of the ice, and violent storms on the river and lakes when the floods were highest in January last, which carried away so many of the guide piles and buoys, and seriously injured the stone beacons. Ninety-four guide-piles have been hushed at the top to make them more visible in fog or twilight; and all the above piles and buoys were either painted in red oil paint, or coated with black naphtha varnish, being the distinguishing colours for either side of the navigation course.

Shannon Bridge.

Some slight repairs to the platform of the swivel-bridge were effected, and the joints of flooring filled with boiled Stockholm tar and pitch.

The exterior and interior of the toll collector's house were limewashed, the roof repaired, and all timber work painted in two coats of oil paint.

A small boat and oars were supplied to this station for the use of the toll collector.

Athlone.

The sheeting of the platform of the swivel-bridge, 100 feet by 24 feet 2 inches has been entirely taken up and replaced with best red pine flooring, every care being taken to interfere as little as possible with the traffic over it during the progress of the work. The under sheeting (which had not been renewed since first laid in 1844) is 3½ inches thick, laid transversely and secured to the girders by new ⅝ wrought iron bolts and nuts; the upper sheeting of the roadway (which was laid in 1860) is replaced by sheeting 2½ inches thick, laid diagonally, and secured with 6-inch wrought iron spikes.

The machinery was regulated, the wheels and pinions rekeyed to their shafts, and the gearing put in complete order.

The whole of the timber was coated with best Stockholm tar, applied hot, and all the iron-work painted lead colour in two coats oil paint. The paving of approach to platform was effectually repaired with a concrete of Galway granite and Portland cement. The constant passing of the large artillery and cavalry force between the adjoining barrack and exercise ground, rendered necessary this thorough repair, before it would have been otherwise required.

The lock-gates were scraped and tarred, and some repairs effected.

The boundary wall at east side of river was repaired with 13 cubic yards rubble masonry.

The 10 ton boat was repaired, caulked, and tarred; and the 15 ton flat barge was resheeted inside with 1-inch boarding, and a derrick erected for mooring buoys.

The hoisting crane on Connaught-quay was repaired and painted two coats in oil paint.

Lanesborough.

The toll collector's office at this station was limewashed inside, and the swivel-bridge and wharves kept in thorough repair.

Tarmonbarry.

A considerable leakage occurred in the eastern retaining wall above the regulating weir, by which the old puddle stanching was washed away. It was made good by an excavation being formed at the back of the river wall 43 yards in length, 7 feet deep, and 5 feet wide, and a dry rubble wall 18 inches thick being built the

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APPENDIX D.

Report of Mr. James M. Merrick, Inspector.

entire length at a distance of 2 feet from the back of retaining wall; this space was filled with well mixed puddle to a height of 1 foot above the highest flood level, and the remaining height with clay, covered with grass sods.

A large flat barge was repaired at this station for conveying puddle for the above work.

The lock-gates were scraped and tarred and the iron-work painted; one of the gear boxes was repaired, and securely bolted to the coping.

Two oak mooring posts were erected at this lock.

The roofing of the house at the bridge was repaired. The passage from this house to the embankment, 4 perches in length, was raised and metalled, and a timber gate erected to prevent trespass.

The upper sheeting of the roadway of the swivel-bridge at this station being considerably worn in the lines of the wheel tracks, the two grooves were filled with Memel timber, and each covered with 3 iron bars, 4 inches by ¼-inch, secured with wood screws.

Four hundred perches of catch drain from the upper embankment have been scoured up.

A fence wall of dry rubble masonry, 5 perches in length, 4 feet high, and 2 feet thick was built at Lack spoil bank to prevent trespass.

Cloondrah.

The lock-gates at this station were scraped and painted, and the iron-work painted two coats oil paint.

Two oak mooring posts were erected at the lock.

The interior of lock-house was limewashed, and the flues repaired; and the roofs of store and out-house were made good.

Rooskey.

In consequence of increased traffic over the Rooskey swivel-bridge during the last summer, it became necessary to resheet the platform with red pine planks, the under sheeting of 3 inches thick, and the upper 2 inches thick; the lines of the wheel tracks were laid with 3 bars of iron, 3 inches by ⅜-inch, secured by wood screws to the sheeting. The girders and framing were well scraped and coated with black naptha varnish, and the outside of girders, together with the railings and gear boxes, were painted in two coats lead colour oil paint.

The interior of lock-house was limewashed.

The lock-gates were scraped and tarred and the iron-work painted two coats lead colour oil paint.

Three boundary stones, marked B. P. W., were erected in the line of east back drain of old canal to define the boundary of the Board's property.

Forty-seven perches of boundary wall and ditch were formed between Cloonfad spoil bank (near Rooskey) and the adjoining property.

Albert Lock and Jamestown Canal, &c.

The lock-gates at Albert Lock were scraped and tarred, and the iron-work painted in two coats lead colour oil paint.

The lock-house was limewashed internally, and the barge courses of roof pointed with Portland cement.

A large quantity of weeds (*potamogeton oblongus*) were removed from the Jamestown canal, near the lock house.

A dry rubble stone fence-wall, 21 feet by 4½ feet by 2 feet, was built at Jamestown wharf for the protection of the Board's property.

Carrick-on-Shannon.

The joints of masonry of the south gable of the toll collector's house and office were picked out and pointed with Portland cement, and the ridges and barges of roof were also painted with cement.

The interior of the house, scullery, &c. were limewashed.

The steps of watering-slip at the harbour were repaired.

Battle Bridge and Lough Allen Canal.

The lock-gates at Battle Bridge and Drumleague were scraped and tarred.

The lock-house at Battle Bridge was limewashed, and some necessary repairs effected.

The lock-house at Drumleague was also limewashed inside.

Five hundred and thirty-seven perches of back drain of canal were scoured up.

The Boyle Water.

The navigation course has been efficiently maintained from the junction of the Boyle Water with the Shannon to Drum wharf near Boyle, passing through Lough Key.

New foot-boards were erected on the lock-gates at Knockvicar to replace those decayed. The gates were scraped and tarred, and the iron-work painted in two coats lead colour oil paint.

The towing-path between Knockvicar Bridge and the Clareudon Lock was kept in an efficient state of repair, some rubble spoil which slipped from the high bank across the path was built up.

The lock-house was limewashed inside, and a turf-shed erected.

Steam Dredger.

The steam dredger and barges which are moored at Rooskey are in the same state as reported last year. The anchor and barge boats were repaired to keep them serviceable.

General state of the Works.

The general state of the works is most satisfactory. The harbours and wharves at Lecarrow, Dromod, Drumsna, Carnadoe, Jamestown, Kilbride, and Drumshambo on the Shannon, as also Cootehall, Knockvicar, and Drum Wharf on the Boyle Water are all in good preservation.

JAMES M. MERRICK, Inspector,

Athlone, 20th January, 1868.

To the Secretary, Board of Public Works,
Custom House, Dublin.

Report of Mr. William Molloy, Inspector.

REPORT of Mr. WILLIAM MOLLOY, Inspector, on the STATE of the SHANNON NAVIGATION (LIMERICK DISTRICT), and the MAIGUE NAVIGATION. For the year 1867.

Shannon Office, Limerick,
10th February, 1868.

SIR,—In compliance with your instructions, I beg to report, for the information of the Commissioners, that the several works on the Lower and Middle Shannon have been carefully maintained during the past year; they are all now in a good state of repair.

Querrin.

The roadway and wharf at this station have been repaired with a coating of strong shingle, and the wooden-office coated with Stockholm tar.

Kilrush.

The roofs of the shed and offices have been coated with Stockholm tar, the two hoisting-cranes scraped, cleaned, and painted two coats in oil. The face of the pier pointed in cement, the old portion of the pier adjoining the roadway underpinned, and the top pavement of the boat-slip repaired and made good.

Saleen.

The wharf has been repaired with 20 cubic yards of broken stones. The floor in the living room of the collector's house laid with Money Point flags 180 feet superficial, the roof repaired, the ridge and hip tiles pointed in cement, and the interior lime-whitened.

Kilteery.

The roadway and wharf are in good repair, the joint of the masonry round the pier-head have been raked out and pointed in cement.

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Kildysart Pier.

The causeway and pier are in good repair. No expenditure incurred during the past year.

Foynes.

The wharf has been repaired with 30 cubic yards of broken stones. The four hoisting-cranes scraped, cleaned, and painted. The joints of the masonry at the end and round the pier-head raked out and pointed in cement.

The accumulation of silt is still on the increase, which prevents vessels from entering the harbour except at high water. The passenger steamers are frequently detained until a rise of tide enables them to depart. In consequence of the frequent detention of these vessels, the Limerick and Foynes Railway Company, by permission of the Board, have erected a floating stage at the end of the pier, so as to enable the steamers to leave regularly each day on the arrival of the trains from Limerick.

Clare.

The wharf has been repaired with 60 cubic yards of broken stones, the hertbe for vessels frequenting the port cleaned and made even, the stays of the crane coated with Stockholm tar, the office lime-whitened, the by-law boards renewed and varnished.

Limerick Navigation.

The canal banks, wharves, roadways, bridges, and towing-paths, between Limerick and Killaloe, a distance of 16 miles, have been carefully maintained. The high floods, during the month of February, had overflowed the tracks ways between Cussane lock and O'Brien's Bridge, on the Shannon level, which caused several slips to take place in them, but they were attended to without delay, and consequently without any inconvenience to the trade.

The wharf and roadway at Limerick, between Clare-street and the canal stores, have been repaired with 135 cubic yards of broken stones and 80 tons of strong gravel.

From the unprotected state of the wharf between the canal bridge and the stores here, several accidents had occurred, from time to time, by persons falling into the canal at night. A range of cast-iron pillars, 450 feet lineal, set 13 feet apart, secured with bolts and nuts, leaded into stone blocks with half inch short link chain secured to each pillar, for the entire length, has been put up, which forms an excellent protection against similar accidents. The rear wall of the collector's office here was cracked in several places, and buttresses, containing 48 cubic yards of masonry, had to be built to support it from falling. The lock-gates, twenty-four in number, have been kept in good repair; the sheeting and balance-beams of each have been scraped, cleaned, and coated with Stockholm tar, and the ironwork painted in oil; eight foot-boards of native elm, 12 feet long, 18 inches wide, and 2½ inches thick, plated on front with half-round iron; three new oak logger-heads mounted, three paddles, two uprights and brackets, eight cast-iron rollers and one balance-beam, have been put on several gates; and four oak stop-posts put down at Mocaskea lock. The lock-houses, stores, &c., twenty-one in number, have been lime whitened, the woodwork of doors and windows painted one coat in oil paint. An additional room has been built at the carpenter's house, 14 feet by 7 feet wide, covered with Duchess slates, floor laid with ⅞-inch boards, and 28 feet lineal of wooden railing, put up between the collector's office and house. The towing-paths have been repaired with 345 tons of gravel, 85 yards superficial of stone pitching, 108 yards superficial of sodding slopes of banks, 935 perches lineal of boundary drains cleaned and deepened, and 1,080 perches lineal of the canal dragged and cleaned of weeds, which were forming an obstruction to the trade boats.

World's End.

The roadway, wharf, and pier in good repair. No expenditure incurred during the past year.

Bunown, Ardcloony River.

The various floods in this river during the past year have brought down large quantities of gravel from the mountains, which were trapped above the towing-path and prevented from being driven into the navigation course; 1,386 cubic yards of this gravel removed by horses and carts; 860 yards thrown up by labourers on the banks of the old river course.

Killaloe.

Seventeen oak guide-piles have been driven between the lock-house and the pier-head, so as to protect the booms and prevent accidents occurring to the trade boats in time of high water. A covering of 3-inch plank has been laid over the conduit which runs under the towing-path to supply the marble mill. No. 2 hopper barge has been put on the slip, and all her seams, 1,045 feet lineal, caulked two threads and paid-off. Two row boats repaired, cleaned, puttied, and painted.

Scarriff.

Both quays at this station are in good repair, the upper harbour was so overspread with the new weed (*anacharis alsinastrum*) as nearly to prevent vessels entering therein. A gang of men was employed with iron drags to remove this obstruction.

Portumna.

The wharf has been repaired with 20 cubic yards of broken stones, the jetty repaired with 108 feet superficial of 3-inch sheeting planks; the foundation of the crane subsided, the bed-plate got out of level, and the crane-post broke at the bottom flange, a new cast iron pillar, weighing 11 cwts. 1 qr., with turned body, collar, flange, &c., had to be provided; the foundation has been rebuilt, the bed-plate laid horizontal, and the crane reset. The swivel-bridge got out of order, and could not be got to meet evenly in the centre in consequence of the rollers, on which the bridge turns, becoming worn, the whole of the superstructure had to be raised up with screw-jacks so as to adjust the traverse plate. The working machinery being set at the heel of the bridge could not be got at for repairs, it was taken down and reset on the side where it is accessible at all times. One new toe-brass, and one half-segment provided and put in. The collector's house has been lime-whitened; the doors and windows painted.

Meelick.

The rollers and chains of Victoria lock-gates being much worn had to be renewed with four cast-iron vertical rollers, weighing 5 cwts. 3 qrs. 14 lbs., each roller is 2 feet 11 inches long, with wrought-iron shaft, having turned journals on both ends; 300 feet lineal of ⅝-inch short-link proof-chain for working breast and tail gates, the ironwork of the gates painted. Several leakages having appeared from time to time in the canal banks had been attended to without delay, the banks were opened through the centre down to and below the natural surface, and filled in again with a strong puddle bank, five feet in thickness; the lock-house and stores lime-whitened.

Cloonagheenogue Canal.

The lock-house has been lime-whitened and windows painted; Allen's bridge repaired with 65 feet superficial of 2½-inch deal sheeting; 486 perches lineal of boundary drain scoured up.

Banagher.

In consequence of the front rollers on which the swivel-bridge traverse having been worn the bridge could not be brought to meet evenly in the centre, the entire superstructure on both sides had to be raised up with screw-jacks while the traverse plate was adjusting; the

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APPENDIX D.

Report of Mr. William Molloy, Inspector.

repairs were executed without interruption to the trade on the navigation or the public passing over the roadway. The collector's house has been lime-whitened, the iron gate repaired, and one small boat puttied and painted.

Shannon Harbour.

The approaches at both ends of the wooden bridge having subsided were raised and the surface coated with a covering of strong gravel; the top sheeting of the bridge repaired with 132 feet superficial of 3-inch plank, and all the woodwork scraped and coated with Stockholm tar. After the winter floods there remained a large deposit of silt at the landings for the ferry-boat on both sides of the river, which was removed by spoon and bag dredging; the approaches to the ferry-boat repaired by driving 17 strong beech piles and sheeting the sides with 90 feet superficial of 3-inch plank, and the ferry-houses lime-whitened.

GENERAL NAVIGATION.

The necessary guide piles, buoys, and beacons for defining the sailing course have been attended to, viz., 6 beech piles have been driven between Shannon Harbour and Portumna, 6 wrought-iron buoys put out and moored, 7 wooden buoys replaced on shoals which had been removed by ice during the winter. The steam-dredger and barges are in good working order.

RIVER MAIGUE NAVIGATION.

The collector's house at the ferry-bridge has been lime-whitened, the swivel-bridge and works at the station are all in good order.

I have the honour to be, Sir,
Your obedient servant,
WILLIAM MOLLOY.

The Secretary, Board of Public Works,
Custom House, Dublin.

CARRIGAHOLT PIER.

Shannon Office, Limerick,
9th May, 1868.

SIR,—In reply to your letter of the 5th inst., I beg to report to you that the works contracted for by Mr. W. Carroll, for building the pier at Carrigaholt, have been fully completed since the month of November last; they have stood the winter storms well, and suffered no injury whatever.

Since that time a second contract for additional works has been entered into, the agreement signed and forwarded to you on the 28th of February last, but in consequence of the heavy floods in the river he was prevented from commencing the excavation, therefore no work has been done up to the present. The contractor has sent down to the works, on this week, plant and tools, and has commenced the excavation.

I am, Sir,
Your obedient servant,
WILLIAM MOLLOY

The Secretary, Board of Works, Dublin.

DUBLIN: Printed by ALEXANDER THOM, 87 & 88 Abbey-street,
For Her Majesty's Stationery Office.

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TITHE COMMISSION.

COPY of the REPORT of the TITHE COMMISSIONERS to Her Majesty's Secretary of State for the Home Department, dated 31st January 1868.

[For the Year 1867.]

Presented to both Houses of Parliament by Command of Her Majesty.

Copyhold, Inclosure, and Tithe Consolidated Commission,
31st January 1868.

SIR,

IT is our duty to forward to you the Report of our Proceedings in the Tithe Department of this Consolidated Commission to the close of the year 1867.

We have received 7,070 Agreements, and confirmed 6,778.

We have made 5,648 Drafts of compulsory Awards, and confirmed 5,450.

In 12,228 Districts, as will be seen from the above statement, the Tithes have been commuted by confirmed Agreements or confirmed Awards.

In 414 of these Districts the Rentcharges have been disposed of by Redemption or Merger.

We have received 11,788 Apportionments, and confirmed 11,784; of which 1 was received during the year 1867.

We have made 3,667 Altered Apportionments, and confirmed 3,170; and of these 144 have been received and 183 confirmed during the year 1867.

We have received 1,103 Applications for the Exchange of Glebe Lands, and confirmed 992 of such Exchanges; and of these 41 Applications were received and 31 Exchanges confirmed during the past year.

We have received 1,052 Applications for the Redemption of Rentcharge, and have completed 743 of such Redemptions; and of these 155 were received and 67 completed during the year 1867.

We have received 9 Applications to convert variable Corn-rents payable under local Acts of Parliament into Rentcharges to be henceforth payable in like manner as ordinary Tithe Rentcharges, and have completed Awards in 5 of these cases.

At the close of 1867 we had confirmed 14,833 distinct Mergers of Tithes or Rentcharges.

We annex an Abstract.

We have the honour to be,
Sir,
Your very obedient Servants,

G. DARBY.
G. RIDLEY.
JAMES CAIRD.

To the Right Honourable
The Secretary of State for the Home Department,
&c. &c. &c.

[*Price* ½*d.*]

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ABSTRACT OF TITHE PROCEEDINGS.

Agreements received		7,070
Do. confirmed	6,778	
Do. superseded by awards	291	
		7,069
Do. in progress		1
Awards made		5,648
Do. confirmed	5,450	
Do. superseded by agreements	165	
		5,615
Do. in progress		33
Total number of agreements and awards confirmed		12,228
Tithe districts in which the rentcharges have been disposed of by merger or redemption	414	
Apportionments received	11,788	
		12,202
Tithe districts in which the rentcharges remain to be disposed of		26
Apportionments received		11,788
Do. confirmed		11,784
Do. in progress		4
Altered apportionments received		3,667
Do. confirmed	3170	
Do. withdrawn	316	
		3,486
Do. in progress		181
Applications for the exchange of glebe lands received		1,103
Exchanges confirmed	992	
Do. withdrawn	80	
		1,072
Do. in progress		31
Applications for the redemption of rentcharge received		1,052
Redemptions confirmed		743
Do. in progress		309
Applications for the conversion of corn-rents received		9
Awards completed	5	
Do. withdrawn	1	
		6
Do. in progress		3
Mergers of tithe or rentcharge received		14,834
Do. confirmed		14,833
Do. in progress		1

31st December 1867.

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TITHE COMMISSION.

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[For the Year 1867.]

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